PORT OF SAN DIEGO
STORMWATER QUALITY MANAGEMENT PLAN
FOR PRIORITY DEVELOPMENT PROJECT (PDP)

PROJECT NAME: EAST HARBOR ISLAND PUBLIC INFRASTRUCTURE DEVELOPMENT
PROJECT NUMBER: PENDING
PROJECT ADDRESS: N HARBOR DRIVE AND HARBOR ISLAND DRIVE, SAN DIEGO, CALIFORNIA

DATE: JULY 24, 2024

CA CIVIL ENGINEER STAMP AND SIGNATURE:

PREPARED FOR:
Port of San Diego
3165 Pacific Highway
San Diego, CA, 92101

PREPARED BY:
RICK
5620 Friars Road
San Diego, 92110

PLEASE PROTECT OUR ENVIRONMENT
SAN DIEGO BAY WATERSHED

Unified Port of San Diego

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ACRONYM SHEET

BMP	Best Management Practice
HMP	Hydromodification Management Plan
HSG	Hydrologic Soil Group
MS4	Municipal Separate Storm Sewer System
N/A	Not Applicable
NRCS	Natural Resources Conservation Service
PDP	Priority Development Project
PE	Professional Engineer
SC	Source Control
SD	Site Design
SDRWQCB	San Diego Regional Water Quality Control Board
SIC	Standard Industrial Classification
SWQMP	Storm Water Quality Management Plan

PDP SWQMP PREPARER'S CERTIFICATION PAGE

Project Name: East Harbor Island Public Infrastructure Development
Permit Application Number: Pending

PREPARER'S CERTIFICATION

I hereby declare that I am the Engineer in Responsible Charge of design of storm water best management practices (BMPs) for this project, and that I have exercised responsible charge over the design of the BMPs as defined in Section 6703 of the Business and Professions Code, and that the design is consistent with the PDP requirements of the Port of San Diego BMP Design Manual, which is a design manual for compliance with local Port of San Diego and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. R9-2015-0100) requirements for storm water management.

I have read and understand that the Port of San Diego has adopted minimum requirements for managing urban runoff, including storm water, from land development activities, as described in the Port of San Diego BMP Design Manual. I certify that this PDP SWQMP has been completed to the best of my ability and accurately reflects the project being proposed and the applicable BMPs proposed to minimize the potentially negative impacts of this project's land development activities on water quality. I understand and acknowledge that the plan check review of this PDP SWQMP by the Port of San Diego is confined to a review and does not relieve me, as the Engineer in Responsible Charge of design of storm water BMPs for this project, of my responsibilities for project design.

_____
Engineer of Work's Signature, PE Number & Expiration Date

Venkat Gummadi
Print Name

RICK
Company

_____
Date

Engineer's Seal:

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PDP SWQMP PROJECT APPLICANT'S CERTIFICATION PAGE

Project Name: East Harbor Island Public Infrastructure Development
Permit Application Number: Pending

PROJECT APPLICANT'S CERTIFICATION

This PDP SWQMP has been prepared for The Port of San Diego by RICK. The PDP SWQMP is intended to comply with the PDP requirements of the Port of San Diego BMP Design Manual, which is a design manual for compliance with local Port of San Diego and regional MS4 Permit (California Regional Water Quality Control Board San Diego Region Order No. 2013-0001, as amended by Orders No. R9-2015-0001 and No. R9-2015-0100) requirements for storm water management.

The undersigned, while it owns the subject project, is responsible for the implementation of the provisions of this plan. This includes:

- **Installation of storm water BMPs,**
- **Verification of installed BMPs pursuant to the Port of San Diego's project closeout procedures,**
- **Maintenance of BMPs annually or more frequently when necessary to maintain BMP capacity,**
- **Annual verification of BMP maintenance pursuant to the Port of San Diego's maintenance documentation/verification requirements.**

If the undersigned transfers its interests in the property, its successor-in-interest shall bear the aforementioned responsibility to implement the best management practices (BMPs) described within this plan, including ensuring on-going operation and maintenance of structural BMPs. A signed copy of this document shall be available on the subject property into perpetuity.

Signature 1: Pre-Construction *Project applicant's signature is required prior to approval of the SWQMP.*		
Project Applicant's Signature:		
Print Project Applicant's Name:	Company Name:	Date:

Signature 2: Post-Construction *Project applicant's signature is required for project closeout.*		
Project Applicant's Signature:		
Print Project Applicant's Name:	Company Name:	Date:

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CONSTRUCTION CHANGE RECORD

During construction of the project, any changes that affect the design of storm water management features must be reviewed and approved by the Port of San Diego. This might include changes to drainage patterns that occurred based on actual site grading and construction of storm water conveyance structures, or substitutions to storm water management features. The storm water management design must be revisited to ensure the revised project layout and features meet the requirements of the BMP Design Manual and the MS4 Permit.

Design changes must be reviewed and approved by the Engineer of Record and the Port of San Diego prior to continuing construction.

Use this Table to keep a record of changes that occur during construction.

Construction Change Number	**Date of Approval**	**Summary of Changes**

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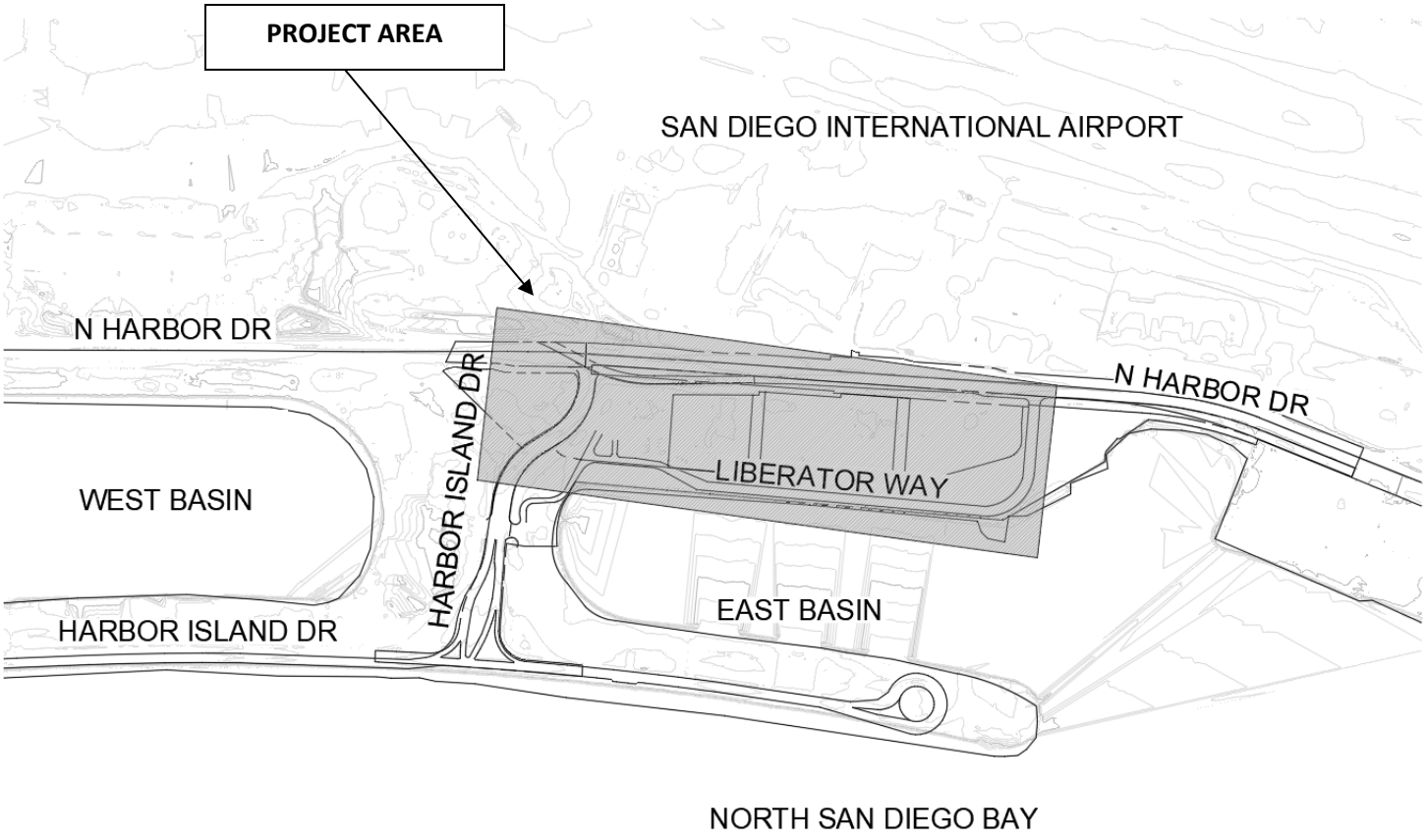
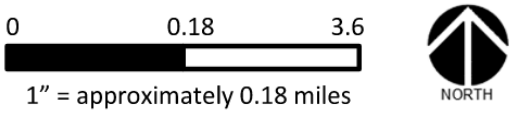
PROJECT VICINITY MAP

Project Name: East Harbor Island Public Infrastructure Development
Permit Application Number: Pending





Vicinity Map Checklist

The Vicinity Map must identify:

☒ Major roadways, geographic features or landmarks

☒ Site perimeter

☒ Geographic features

☒ General topography

☒ Downstream receiving water body

☒ Scale

☒ North arrow

Applicability of Permanent, Post-Construction Storm Water BMP Requirements **(Storm Water Intake Form for all Development Permit Applications)**	**Form I-1**

Project Identification

Project Name: East Harbor Island Public Infrastructure Development	
Permit Application Number: Pending	Date: July 24, 2024
Project Address: N Harbor Drive & Harbor Island Drive, San Diego, California	

Determination of Permanent, Post-Construction Requirements

The purpose of this form is to identify permanent, post-construction requirements that apply to the project. This form serves as a short summary of applicable requirements, in some cases referencing separate forms that will serve as the backup for the determination of requirements.

Answer each step below, starting with Step 1 and progressing through each step until reaching "Stop". **Upon reaching a Stop, do not complete further Steps beyond the Stop.**

Refer to Port BMP Design Manual sections and/or separate forms referenced in each step below.

Step	Answer	Progression
Step 1: Is the project a "development project"? See Section 1.3 of the BMP Design Manual for guidance.	☒Yes	Go to Step 2.
	☐ No	Stop. Permanent BMP requirements do not apply. No SWQMP will be required. Provide discussion below.
Discussion / justification if the project is not a "development project" (e.g., the project includes *only* interior remodels within an existing building):		
Step 2: Is the project a Standard Project, Priority Development Project (PDP), or exception to PDP definitions? To answer this item, see Section 1.4 of the BMP Design Manual *in its entirety* for guidance, AND complete Form I-2, Project Type Determination.	☐ Standard Project	Stop. Only Standard Project requirements apply, including Standard Project SWQMP.
	☒PDP	Standard and PDP requirements apply, including PDP SWQMP. Go to Step 3.
	☐ Exception to PDP definitions	Stop. Standard Project requirements apply, and any additional requirements specific to the type of project. Provide discussion and list any additional requirements below. Prepare Standard Project SWQMP.

Form I-1 Page 2		
[Step 2 Continued from Page 1] Discussion / justification, and additional requirements for exceptions to PDP definitions, if applicable:		
Step 3 (PDPs only). Is the project subject to earlier PDP requirements due to a prior lawful approval? See Section 1.10 of the BMP Design Manual for guidance.	☐ Yes	Consult the Port of San Diego to determine requirements. Provide discussion and identify requirements below. Go to Step 4.
	☒ No	BMP Design Manual PDP requirements apply. Go to Step 4.
Discussion / justification of prior lawful approval, and identify requirements (*not required if prior lawful approval does not apply*):		
Step 4 (PDPs only). Do hydromodification flow control requirements apply? See Section 1.6 of the BMP Design Manual for guidance.	☐ Yes	PDP structural BMPs required for pollutant control (Chapter 5) and hydromodification flow control (Chapter 6). Stop.
	☒ No	Stop. PDP structural BMPs required for pollutant control (Chapter 5) only. Provide brief discussion of exemption to hydromodification control below.
Discussion / justification if hydromodification control requirements do <u>not</u> apply: The project discharges directly to the San Diego Bay, which is exempt from hydromodification.		
Note: No potential critical coarse sediment yield areas have been identified within Port of San Diego jurisdiction. Therefore when hydromodification management requirements apply, only the flow control requirements apply.		

Applicability of Construction Phase Storm Water Requirements **(Storm Water Intake Form for all Development Permit Applications)**	**Form I-1b**

Project Identification	
Project Name: East Harbor Island Public Infrastructure Development	
Permit Application Number: Pending	Date: July 24, 2024
Project Address: N Harbor Drive & Harbor Island Drive, San Diego, California	

Determination of Requirements

The purpose of this form is to identify construction phase storm water requirements that apply to the project.

If the answer to question 1 below is "Yes", your project is subject to the General Construction Activities Permit and will be required to submit Permit fees, a completed Notice of Intent to comply with the Permit and submit a **Storm Water Pollution Prevention Plan (SWPPP) for Projects Greater Than 1 Acre** to the Port. If the answer to question 1 below is "No", but the answer to question 2 or 3 is "yes", you must prepare a Port Construction BMP Plan for projects less than 1 acre. If the answer to questions 4 or 5 is "Yes" then BMPs will be required but a document submittal will not be required. If every question below is answered "No", no additional storm water documentation is required.

Would the project meet any of these criteria during construction?		
1. Will this project include clearing, grading, disturbances to ground such as stockpiling, or excavation that results in soil disturbances of at least one acre total land area?	☒Yes	☐ No
2. Does the project propose pavement resurfacing, grading or soil disturbance greater than 100 square feet?	☒Yes	☐ No
3. Will the project occur over or within a receiving water?	☐Yes	☒ No
4. Would storm water or urban runoff have the potential to contact any portion of the construction area, including washing and staging areas?	☒Yes	☐ No
5. Would the project use any construction materials that could negatively affect water quality if discharged from the site (such as paints, solvents, concrete, and stucco)?	☒Yes	☐ No

Note: The Port requires the use of Port SWPPP and Construction BMP Plan templates. The templates are available on the Port website http://www.portofsandiego.org/environment/stormwater/838-swppp-templates.html or, to request a copy, please contact Planning & Green Port at (619) 686-6254.

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Project Type Determination Checklist			Form I-2
Project Information			
Project Name: East Harbor Island Public Infrastructure Project			
Permit Application Number: Pending			Date: July 24, 2024
Project Address: N Harbor Drive & Harbor Island Drive, San Diego, California			
Project Type Determination: Standard Project or Priority Development Project (PDP)			
The project is (select one): ☐ New Development ☒ Redevelopment			
The total proposed newly created or replaced impervious area is: 174,240 ft^2 (4 acres)			
Is the project in any of the following categories, (a) through (f)?			
Yes ☐	No ☒	(a)	New development projects that create 10,000 square feet or more of impervious surfaces (collectively over the entire project site). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☒	No ☐	(b)	Redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site on an existing site of 10,000 square feet or more of impervious surfaces). This includes commercial, industrial, residential, mixed-use, and public development projects on public or private land.
Yes ☒	No ☐	(c)	New and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface (collectively over the entire project site), and support one or more of the following uses: (i) Restaurants. This category is defined as a facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (Standard Industrial Classification (SIC) code 5812). (ii) Hillside development projects. This category includes development on any natural slope that is twenty-five percent or greater. (iii) Parking lots. This category is defined as a land area or facility for the temporary parking or storage of motor vehicles used personally, for business, or for commerce. (iv) Streets, roads, highways, freeways, and driveways. This category is defined as any paved impervious surface used for the transportation of automobiles, trucks, motorcycles, and other vehicles.

Form I-2 Page 2			
Yes ☐	No ☒	(d)	New or redevelopment projects that create and/or replace 2,500 square feet or more of impervious surface (collectively over the entire project site), and discharging directly to an Environmentally Sensitive Area (ESA). "Discharging directly to" includes flow that is conveyed overland a distance of 200 feet or less from the project to the ESA, or conveyed in a pipe or open channel any distance as an isolated flow from the project to the ESA (i.e. not commingled with flows from adjacent lands). *Note: ESAs are areas that include but are not limited to all Clean Water Act Section 303(d) impaired water bodies; areas designated as Areas of Special Biological Significance by the State Water Board and San Diego Water Board; State Water Quality Protected Areas; water bodies designated with the RARE beneficial use by the State Water Board and San Diego Water Board; and any other equivalent environmentally sensitive areas which have been identified by the Copermittees. See BMP Design Manual Section 1.4.2 for additional guidance.*
Yes ☐	No ☒	(e)	New development projects, or redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, that support one or more of the following uses: (i) Automotive repair shops. This category is defined as a facility that is categorized in any one of the following SIC codes: 5013, 5014, 5541, 7532-7534, or 7536-7539. (ii) Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria: (a) 5,000 square feet or more or (b) a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.
Yes ☒	No ☐	(f)	New or redevelopment projects that result in the disturbance of one or more acres of land and are expected to generate pollutants post construction. *Note: See BMP Design Manual Section 1.4.2 for additional guidance.*

Does the project meet the definition of one or more of the Priority Development Project categories (a) through (f) listed above?

☐ No – the project is <u>not</u> a Priority Development Project (Standard Project).

☒ Yes – the project is a Priority Development Project (PDP).

The following is for redevelopment PDPs only:

The area of existing (pre-project) impervious area at the project site is: 1,013,859 ft^2 (A)
The total proposed newly created or replaced impervious area is 174,240 ft^2 (B)
Percent impervious surface created or replaced (B/A)*100: 17%
The percent impervious surface created or replaced is (select one based on the above calculation):

☒ less than or equal to fifty percent (50%) – only new impervious areas are considered PDP

OR

☐ greater than fifty percent (50%) – the entire project site is a PDP

Site Information Checklist For PDPs		Form I-3B (PDPs)
Project Summary Information		
Project Name: East Harbor Island Public Infrastructure Development		
Project Address: N Harbor Drive & Harbor Island Drive, San Diego, California		
Permit Application Number: Pending		
Project Hydrologic Unit Select One:	Project Hydrologic Area Select One:	Project Hydrologic Subarea Select One When Applicable:
☒ Pueblo San Diego 908	☐ 908.10 Point Loma	
	☒ 908.20 San Diego Mesa	☒ 908.21 Lindbergh
		☐ 908.22 Chollas
	☐ 908.30 National City	☐ 908.31 El Toyon
		☐ 908.32 Paradise
☐ Sweetwater 909	☐ 909.10 Lower Sweetwater	☐ 909.11 Telegraph
		☐ 909.12 La Nacion
☐ Otay 910	☐ 910.10 Coronado	
	☐ 910.20 Otay Valley	
Port Parcel Area (total area of Parcel(s) associated with the project)	24.5 Acres (1,067,220 Square Feet)	
Area to be Disturbed by the Project (Project Area)	20.2 Acres (879,912 Square Feet)	
Project Proposed Impervious Area (subset of Project Area)	4 Acres (174,240 Square Feet)	
Project Proposed Pervious Area (subset of Project Area)	16.2 Acres (705,672 Square Feet)	
Note: Proposed Impervious Area + Proposed Pervious Area = Area to be Disturbed by the Project. This may be less than the Parcel Area.		

Form I-3B Page 2 of 10

Description of Existing Site Condition

Current Status of the Site (select all that apply):

☒ Existing development

☐ Previously graded but not built out
☐ Demolition completed without new construction
☐ Agricultural or other non-impervious use
☐ Vacant, undeveloped/natural

Description / Additional Information:
The project site currently exists as a car rental facility, consisting of impervious pads.

Existing Land Cover Includes (select all that apply):

☐ Vegetative Cover
☐ Non-Vegetated Pervious Areas
☒ Impervious Areas

Description / Additional Information:
The site consists of impervious lots for car storage, buildings associated with the car rental facility, and impervious streets.

Underlying Soil belongs to Hydrologic Soil Group (select all that apply):

☐ NRCS Type A
☐ NRCS Type B
☒ NRCS Type C
☒ NRCS Type D

Approximate Depth to Groundwater (GW):

☐ GW Depth < 5 feet
☒ 5 feet < GW Depth < 10 feet
☒ 10 feet < GW Depth < 20 feet
☐ GW Depth > 20 feet

Existing Natural Hydrologic Features (select all that apply):

☐ Watercourses
☐ Seeps
☐ Springs
☐ Wetlands
☒ None

Description / Additional Information:

Form I-3B Page 3 of 10

Description of Existing Site Drainage Patterns

How is storm water runoff conveyed from the site? At a minimum, this description should answer:
(1) whether existing drainage conveyance is natural or urban;
(2) Is runoff from offsite conveyed through the site? if yes, quantify all offsite drainage areas, design flows, and locations where offsite flows enter the project site, and summarize how such flows are conveyed through the site;
(3)Provide details regarding existing project site drainage conveyance network, including any existing storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels; and
(4) Identify all discharge locations from the existing project site along with a summary of conveyance system size and capacity for each of the discharge locations. Provide summary of the pre-project drainage areas and design flows to each of the existing runoff discharge locations.

Describe existing site drainage patterns:

In the pre-project condition, the project site consists of Rental Car facilities and the San Diego Harbor Police Department. The project site, as it exists, consists of urban drainage conveyance conveying flows from north to south. There is approximately 1.5 acres of offsite runoff that conveys flows through the site. While some runoff sheet flows through the project, there is a system of storm drains that outlet into the East basin of the San Diego Bay. There are two major outfalls at the south of the project site, one easterly and one westerly. The western portion of the site has four 15-inch reinforced concrete pipes (RCP) that confluence in the San Diego Bay. There are 10.1 acres (including a portion of the offsite flows) that drain to the south to the southwesterly outfall in the existing condition, producing 40.0 cfs of flow. The eastern portion of the site has two 15-inch RCPs, and one 21-inch corrugated steel pipe that confluence in the San Diego Bay. There are 12.6 acres (including a portion of the offsite flows) that drain to the east in the existing condition, producing 49.9 cfs of flow. There is a small portion of liberator way that does not drain south in the pre-project condition. Approximately 0.7 acres drain northeast to North Harbor Drive, producing 2.8 cfs of flow, and approximately 1.1 acres drain west to Harbor Island Drive (northwest outfall), producing 4.4 cfs of flow.

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Description of Proposed Site Development

Project Description / Proposed Land Use and/or Activities:

The post-project proposes the realignment of the existing Liberator Way, grading of building pads for future development, sediment collection areas, and biofiltration green street elements.

List/describe proposed impervious features of the project (e.g., buildings, roadways, parking lots, courtyards, athletic courts, other impervious features):

The proposed impervious features of this project include roadways in the form of the realignment of Liberator Way.

List/describe proposed pervious features of the project (e.g., landscape areas):

The proposed pervious features of the project include biofiltration green street elements. The graded pads will also be pervious for this interim condition prior to ultimate development by others.

Does the project include grading and changes to site topography?

☒ Yes

☐ No

Description / Additional Information:
The site will be demolished and re-graded. The site topography will remain similar to the existing condition.

Form I-3B Page 5 of 10

Description of Proposed Site Drainage Patterns

Does the project include changes to site drainage (e.g., installation of new storm water conveyance systems)?

☒ Yes

☐ No

If yes, provide details regarding the proposed project site drainage conveyance network, including storm drains, concrete channels, swales, detention facilities, storm water treatment facilities, natural or constructed channels, and the method for conveying offsite flows through or around the proposed project site. Identify all discharge locations from the proposed project site along with a summary of the conveyance system size and capacity for each of the discharge locations. Provide a summary of pre- and post-project drainage areas and design flows to each of the runoff discharge locations. Reference the drainage study for detailed calculations.

Describe proposed site drainage patterns:

In the proposed condition, the pads north of Liberator Way will be graded, and the existing storm drains will be removed. The drainage conveyance for the graded pads will be designed by others during future development. This portion of the project proposes two new outfalls, in similar locations to the existing outfalls. When the pads are developed, storm drains will be designed to tie into these outfall pipes, thus the pipes are designed to convey flows for the whole site. The western portion of the site drains to a 30-inch reinforced concrete pipe (RCP) and a 24" RCP which confluence and enter a 42-inch reinforced concrete outfall pipe southwest of the site. There are 8.4 acres that drain to the southwest (including a portion of the offsite flows) in the post-project condition, producing 17.4 cfs of flow. In the ultimate condition, after development by others, 31.4 cfs will outfall to the west. The eastern portion of the site drains to two a 36-inch RCPs, which confluence and enter 48-inch reinforced concrete outfall pipe southeast of the project. There are 12.8 acres that drain to the east in the post-project condition, producing 26.5 cfs of flow. In the ultimate condition, after development by others, 47.9 cfs will outfall to the west. Both outfalls discharge to the Eastern basin of San Diego Bay. There is a small portion of liberator way that does not drain south in the post-project condition. Approximately 1.4 acres drain northeast to North Harbor Drive, producing 2.9 cfs of flow in the post-project and 5.2 cfs in the ultimate development condition. Approximately 1.9 acres drain west to Harbor Island Drive (northwest outfall), producing 3.9 cfs of flow in the post-project and 7.1 cfs in the ultimate development condition. These areas ultimately discharge to the East Basin of the San Diego Bay.

The graded pads, which consist of 16.2 acres, will be mass graded so that runoff will sheet flow towards four sediment collection areas. The sediment collection areas are designed to mimic CASQA Sediment Trap requirements. Runoff from DMA-5 (approximately 4 acres) will flow south into a sediment collection area (SCA-1). Runoff from DMA-6 (approximately 3 acres) will flow south into a sediment collection area (SCA -2). Runoff from DMA-7 (approximately 5 acres) will flow south into a sediment collection area (SCA -3). Runoff from DMA-8 (approximately 5 acres) will flow south into a sediment collection area (SCA -4).

Drainage from Liberator Way will be conveyed two low points in the street. Six biofiltration BMPs are being proposed to treat the proposed street.

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Identify whether any of the following features, activities, and/or pollutant source areas will be present (select all that apply):

- ☒ On-site storm drain inlets
- ☐ Interior floor drains and elevator shaft sump pumps
- ☐ Interior parking garages
- ☐ Need for future indoor & structural pest control
- ☒ Landscape/Outdoor Pesticide Use
- ☐ Pools, spas, ponds, decorative fountains, and other water features
- ☐ Food service
- ☐ Refuse areas
- ☐ Industrial processes
- ☐ Outdoor storage of equipment or materials
- ☐ Vehicle and Equipment Cleaning
- ☐ Vehicle/Equipment Repair and Maintenance
- ☐ Fuel Dispensing Areas
- ☐ Loading Docks
- ☐ Fire Sprinkler Test Water
- ☐ Miscellaneous Drain or Wash Water
- ☒ Plazas, sidewalks, and parking lots

Description / Additional Information:

Form I-3B Page 7 of 10

Identification and Narrative of Receiving Water and Pollutants of Concern

Describe flow path of storm water from the project site discharge location(s), through urban storm conveyance systems as applicable, to receiving creeks, rivers, and lagoons as applicable, and ultimate discharge to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable):

List any 303(d) impaired water bodies within the path of storm water from the project site to the Pacific Ocean (or bay, lagoon, lake or reservoir, as applicable), identify the pollutant(s)/stressor(s) causing impairment, and identify any TMDLs and/or Highest Priority Pollutants from the WQIP for the impaired water bodies:

303(d) Impaired Water Body	Pollutant(s)/Stressor(s)	TMDLs / WQIP Highest Priority Pollutant
San Diego Bay	PCBs (Polychlorinated biphenyls)	TMDL Completion 2019

Identification of Project Site Pollutants*

***Identification of project site pollutants is only required if flow-thru treatment BMPs are implemented onsite in lieu of retention or biofiltration BMPs (note the project must also participate in an alternative compliance program unless prior lawful approval to meet earlier PDP requirements is demonstrated)**

Identify pollutants expected from the project site based on all proposed use(s) of the site (see BMP Design Manual Appendix B.6):

Pollutant	Not Applicable to the Project Site	Expected from the Project Site	Also a Receiving Water Pollutant of Concern
Sediment	x		
Nutrients	x		
Heavy Metals	x		
Organic Compounds	x		
Trash & Debris	x		
Oxygen Demanding Substances	x		
Oil & Grease	x		
Bacteria & Viruses	x		
Pesticides	x		

Form I-3B Page 8 of 10

Hydromodification Management Requirements

Do hydromodification management requirements apply (see Section 1.6 of the BMP Design Manual)?

☐ Yes, hydromodification management flow control structural BMPs required.

☒ No, the project will discharge runoff directly to existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to conveyance channels whose bed and bank are concrete-lined all the way from the point of discharge to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean.

☐ No, the project will discharge runoff directly to an area identified as appropriate for an exemption by the WMAA for the watershed in which the project resides.

Note: No potential critical coarse sediment yield areas have been identified within Port of San Diego jurisdiction. Therefore when hydromodification management requirements apply, only the flow control requirements apply.

Description / Additional Information (to be provided if a 'No' answer has been selected above):

The project drains into two proposed 48-inch reinforced concrete pipes directly discharge into the San Diego Bay.

Form I-3B Page 9 of 10
Flow Control for Post-Project Runoff*   ***This Section only required if hydromodification management requirements apply**
List and describe point(s) of compliance (POCs) for flow control for hydromodification management (see Section 6.3.1). For each POC, provide a POC identification name or number correlating to the project's HMP Exhibit and a receiving channel identification name or number correlating to the project's HMP Exhibit.
Has a geomorphic assessment been performed for the receiving channel(s)?   ☐ No, the low flow threshold is 0.1Q2 (default low flow threshold)   ☐ Yes, the result is the low flow threshold is 0.1Q2   ☐ Yes, the result is the low flow threshold is 0.3Q2   ☐ Yes, the result is the low flow threshold is 0.5Q2   If a geomorphic assessment has been performed, provide title, date, and preparer: Discussion / Additional Information: (optional)

Form I-3B Page 10 of 10
Other Site Requirements and Constraints
When applicable, list other site requirements or constraints that will influence storm water management design, such as zoning requirements including setbacks and open space, or local codes governing minimum street width, sidewalk construction, allowable pavement types, and drainage requirements.
Optional Additional Information or Continuation of Previous Sections As Needed
This space provided for additional information or continuation of information from previous sections as needed.

Source Control BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-4

Project Identification

Project Name: East Harbor Island Public Infrastructure Development

Permit Application Number: Pending

Source Control BMPs

All development projects must implement source control BMPs SC-1 through SC-6 where applicable and feasible. See Chapter 4 and Appendix E of the BMP Design Manual for information to implement source control BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the source control BMP as described in Chapter 4 and/or Appendix E of the BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project has no outdoor materials storage areas). Discussion / justification may be provided.

Source Control Requirement	Applied?		
SC-1 Prevention of Illicit Discharges into the MS4	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-1 not implemented:			
SC-2 Storm Drain Stenciling or Signage	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-2 not implemented:			
SC-3 Protect Outdoor Materials Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-3 not implemented:			
SC-4 Protect Materials Stored in Outdoor Work Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-4 not implemented:			

Form I-4 Page 2 of 2			
Source Control Requirement	**Applied?**		
SC-5 Protect Trash Storage Areas from Rainfall, Run-On, Runoff, and Wind Dispersal	☒ Yes	☐ No	☐ N/A
Discussion / justification if SC-5 not implemented:			
SC-6 Additional BMPs Based on Potential Sources of Runoff Pollutants (must answer for each source listed below)			
☒ On-site storm drain inlets	☒ Yes	☐ No	☐ N/A
☒ Interior floor drains and elevator shaft sump pumps	☐ Yes	☐ No	☒ N/A
☒ Interior parking garages	☐ Yes	☐ No	☒ N/A
☒ Need for future indoor & structural pest control	☐ Yes	☐ No	☒ N/A
☒ Landscape/Outdoor Pesticide Use	☒ Yes	☐ No	☐ N/A
☒ Pools, spas, ponds, decorative fountains, and other water features	☐ Yes	☐ No	☒ N/A
☒ Food service	☐ Yes	☐ No	☒ N/A
☒ Refuse areas	☐ Yes	☐ No	☒ N/A
☒ Industrial processes	☐ Yes	☐ No	☒ N/A
☒ Outdoor storage of equipment or materials	☐ Yes	☐ No	☒ N/A
☒ Vehicle and Equipment Cleaning	☐ Yes	☐ No	☒ N/A
☒ Vehicle/Equipment Repair and Maintenance	☐ Yes	☐ No	☒ N/A
☒ Fuel Dispensing Areas	☐ Yes	☐ No	☒ N/A
☒ Loading Docks	☐ Yes	☐ No	☒ N/A
☒ Fire Sprinkler Test Water	☐ Yes	☐ No	☒ N/A
☒Miscellaneous Drain or Wash Water	☐ Yes	☐ No	☒ N/A
☒ Plazas, sidewalks, and parking lots	☐ Yes	☐ No	☒ N/A
Discussion / justification if SC-6 not implemented. Clearly identify which sources of runoff pollutants are discussed. Justification must be provided for all "No" answers shown above.			

Site Design BMP Checklist for All Development Projects (Standard Projects and Priority Development Projects)	Form I-5

Project Identification

Project Name: East Harbor Island Public Infrastructure Development

Permit Application Number: Pending

Site Design BMPs

All development projects must implement site design BMPs SD-1 through SD-8 where applicable and feasible. See Chapter 4 and Appendix E of the BMP Design Manual for information to implement site design BMPs shown in this checklist.

Answer each category below pursuant to the following.

- "Yes" means the project will implement the site design BMP as described in Chapter 4 and/or Appendix E of the BMP Design Manual. Discussion / justification is not required.
- "No" means the BMP is applicable to the project but it is not feasible to implement. Discussion / justification must be provided.
- "N/A" means the BMP is not applicable at the project site because the project does not include the feature that is addressed by the BMP (e.g., the project site has no existing natural areas to conserve). Discussion / justification may be provided.

Site Design Requirement	Applied?		
SD-1 Maintain Natural Drainage Pathways and Hydrologic Features	☐ Yes	☒ No	☐ N/A
Discussion / justification if SD-1 not implemented: The project site is already developed, and the soil has been disturbed.			
SD-2 Conserve Natural Areas, Soils, and Vegetation	☐ Yes	☒ No	☐ N/A
Discussion / justification if SD-2 not implemented: The proposed project will be mass graded. There are no natural areas, soils or vegetation to conserve.			
SD-3 Minimize Impervious Area	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-3 not implemented:			
SD-4 Minimize Soil Compaction	☐ Yes	☒ No	☐ N/A
Discussion / justification if SD-4 not implemented: The entire project site was previously developed, and the soil has been disturbed & compacted.			
SD-5 Impervious Area Dispersion	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-5 not implemented:			

Form I-5 Page 2 of 2			
Site Design Requirement	**Applied?**		
SD-6 Runoff Collection	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-6 not implemented:			
SD-7 Landscaping with Native or Drought Tolerant Species	☒ Yes	☐ No	☐ N/A
Discussion / justification if SD-7 not implemented:			
SD-8 Harvesting and Using Precipitation	☐ Yes	☐ No	☒ N/A
Discussion / justification if SD-8 not implemented: Not considered feasible for this site.			

Summary of PDP Structural BMPs	Form I-6 (PDPs)

Project Identification

Project Name: East Harbor Island Public Infrastructure Development

Permit Application Number: Pending

PDP Structural BMPs

All PDPs must implement structural BMPs for storm water pollutant control (see Chapter 5 of the Port BMP Design Manual). Selection of PDP structural BMPs for storm water pollutant control must be based on the selection process described in Chapter 5. PDPs subject to hydromodification management requirements must also implement structural BMPs for flow control for hydromodification management (see Chapter 6 of the BMP Design Manual). Both storm water pollutant control and flow control for hydromodification management can be achieved within the same structural BMP(s).

PDP structural BMPs must be verified by the local jurisdiction at the completion of construction. This may include requiring the project applicant or project applicant's representative and engineer of record to certify construction of the structural BMPs (see Section 1.12 of the BMP Design Manual). PDP structural BMPs must be maintained in perpetuity and the local jurisdiction is required to confirm the maintenance (see Section 7 of the BMP Design Manual).

Use this form to provide narrative description of the general strategy for structural BMP implementation at the project site in the box below. Then complete the PDP structural BMP summary information sheet (page 3 of this form) for each structural BMP within the project (copy the BMP summary information page as many times as needed to provide summary information for each individual structural BMP).

Describe the general strategy for structural BMP implementation at the site. This information must describe how the steps for selecting and designing storm water pollutant control BMPs presented in Section 5.1 of the BMP Design Manual were followed, and the results (type of BMPs selected). For projects requiring hydromodification flow control BMPs, indicate whether pollutant control and flow control BMPs are integrated or separate.

This project proposes the re-alignment of Liberator Way, as well as mass grading north of the street for future development by others. The post-project condition proposes Green Street Elements to provide water quality treatment for the proposed realignment of Liberator Way in accordance with the requirements of the Port of San Diego BMP Design Manual (2024). The project proposes six biofiltration swales along the south side of Liberator Way which will be superelevated to the south. The conceptual size of the biofiltration swales were determined by multiplying the effective drainage area by a 3% sizing factor.

This project also proposes the construction of four temporary sediment collection areas to treat the mass graded pads. The Sediment Collection Areas (SCA) themselves act as sediment control measures for the project and will remain in place until further construction on the project site begins.

(Continue on page 2 as necessary.)

Form I-6 Page 3 of X (Copy as many as needed)
Structural BMP Summary Information **(Copy this page as needed to provide information for each individual proposed structural BMP)**
Structural BMP ID No. 1, 2, 3, 4, 5, 6
Construction Plan Sheet No.
Type of structural BMP: ☐ Retention by harvest and use (HU-1) ☐ Retention by infiltration basin (INF-1) ☐ Retention by bioretention (INF-2) ☐ Retention by permeable pavement (INF-3) ☐ Partial retention by biofiltration with partial retention (PR-1) ☒ Biofiltration (BF-1) ☐ Biofiltration with Nutrient Sensitive Media Design (BF-2) ☐ Proprietary Biofiltration (BF-3) meeting all requirements of Appendix F ☐ Flow-thru treatment control with prior lawful approval to meet earlier PDP requirements (provide BMP type/description in discussion section below) ☐ Flow-thru treatment control included as pre-treatment/forebay for an onsite retention or biofiltration BMP (provide BMP type/description and indicate which onsite retention or biofiltration BMP it serves in discussion section below) ☐ Flow-thru treatment control with alternative compliance (provide BMP type/description in discussion section below) ☐ Detention pond or vault for hydromodification management ☐ Other (describe in discussion section below)
Purpose: ☒ Pollutant control only ☐ Hydromodification control only ☐ Combined pollutant control and hydromodification control ☐ Pre-treatment/forebay for another structural BMP ☐ Other (describe in discussion section below)

Who will certify construction of this BMP? Provide name and contact information for the party responsible to sign BMP verification forms	The Port of San Diego
Who will be the final responsible party for this BMP?	The Port of San Diego
Who will maintain this BMP into perpetuity?	The Port of San Diego
What is the funding mechanism for maintenance?	The Port of San Diego

Form I-6 Page 4 of X (Copy as many as needed)
Structural BMP ID No.
Construction Plan Sheet No.
Discussion (as needed): Biofiltration BMPs will function as green street elements to treat the re-aligned Liberator Way.

ATTACHMENT 1
BACKUP FOR PDP POLLUTANT CONTROL BMPS

This is the cover sheet for Attachment 1.

Indicate which Items are Included behind this cover sheet:

	Attachment Sequence	**Contents**	**Checklist**
REQUIRED	Attachment 1a	DMA Exhibit See DMA Exhibit Checklist on the back of this Attachment cover sheet.	☒ Included
REQUIRED	Attachment 1b	Tabular Summary* of DMAs Showing DMA ID matching DMA Exhibit, DMA Area, and DMA Type *Provide table in this Attachment OR on DMA Exhibit in Attachment 1a	☒ Included on DMA Exhibit in Attachment 1a ☐ Included as Attachment 1b, separate from DMA Exhibit
REQUIRED *(unless the entire project will use infiltration BMPs)*	Attachment 1c	Form I-7, Harvest and Use Feasibility Screening Checklist Refer to Appendix B.3-1 of the BMP Design Manual to complete Form I-7.	☐ Included ☐ Not included because the entire project will use infiltration BMPs ***to be included in future submittals***
REQUIRED *(unless the project will use harvest and use BMPs)*	Attachment 1d	Form I-8, Categorization of Infiltration Feasibility Condition Refer to Appendices C and D of the BMP Design Manual to complete Form I-8.	☐ Included ☐ Not included because the entire project will use harvest and use BMPs ***to be included in future submittals***
REQUIRED	Attachment 1e	Pollutant Control BMP Design Worksheets / Calculations Refer to Appendices B and E of the BMP Design Manual for structural pollutant control BMP design guidelines	☒ Included



LEGEND

- PROPOSED DMA BOUNDARY
- 1.25 AC — DRAINAGE AREA
- 950 — EXIST. MAJOR ELEV. CONTOUR
- 948 — EXIST. MINOR ELEV. CONTOUR
- PROPOSED ELEV. CONTOUR
- EXIST. STORM DRAIN
- FUTURE STORM DRAIN TIE-IN LOCATION
- FLOW DIRECTION
- PROPOSED STORM DRAIN
- PROPOSED GREEN STREET ELEMENTS – DEPICTED AS 10' WIDE BIOFILTRATION BMPS
- SCA X — PROPOSED SEDIMENT COLLECTION AREA (NOT TO SCALE)

NOTES:

1. VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW)
2. ONSITE TOPOGRAPHY FROM SURVEY PERFORMED BY RICK ENGINEERING 2023.
3. OFFSITE TOPOGRAPHY GENERATED FROM CITY OF SAN DIEGO LIDAR DATA (2021).
4. THIS EXHIBIT IS NOT TO BE USED FOR CONSTRUCTION.
5. THE PROJECT PROPOSES BIOFILTRATION BMPS ALONG THE SOUTH SIDE OF LIBERATOR WAY WHICH WILL BE SUPERELEVATED TO THE SOUTH. THE CONCEPTUAL SIZE OF THE BIOFILTRATION BMPS WERE DETERMINED BY MULTIPLYING THE EFFECTIVE DRAINAGE AREA BY A 3% SIZING FACTOR.
6. WHILE SEDIMENT COLLECTION AREAS MAY BE UTILIZED FOR THE ROUGH GRADED CONDITIONS OF THE PADS, FUTURE DEVELOPMENT WILL BE RESPONSIBLE FOR THE DESIGN OF POST-CONSTRUCTION BMPS FOR THE PROPOSED PADS.
7. UNDERLYING SOIL GROUP TYPE "C"
9. DEPTH TO GROUNDWATER APRROX. 8'
9. FUTURE LOCATION OF WATER QUALITY FACILITY(S) TO TREAT PADS TO BE DETERMINED PER FINAL STORM DRAIN DESIGN OF EACH PARCEL.

EAST HARBOR ISLAND PLAN VIEW

SCALE: 1" = 100'

100 50 0 100 200

GRAPHIC SCALE: 1"=100'

RICK
5620 FRIARS ROAD
SAN DIEGO, CA 92110
619-291-0707
rickengineering.com

DMA EXHIBIT
EAST HARBOR ISLAND

PROJECT NO:	19538-F	SCALE:	1"=100'
DRAWN BY:	BJH	DATE:	7/24/2024

C:\RICK\Projects\C19500\19538F_East Harbor Island\WaterRes\19538F_WQ_proposed_723.dwg – plotted by bhawksworth ON 2024-07-23 @ 17:27 – ctb:acad.ctb – © 2024 Rick Engineering Company

Use this checklist to ensure the required information has been included on the DMA Exhibit:

The DMA Exhibit must identify:

☐ Entire property included on one map (use key map if multi-sheets)

☐ BMP Sheet which includes the following (BMP type, size, dimensions for location, cross section and elevation detail); global positioning system coordinates of property

☒ Drainage areas and direction of flow

☒ Storm drain system(s)

☒ Nearby water bodies and municipal storm drain inlets

☒ Location and details of storm water conveyance systems (ditches, inlets, outlets, storm drains, overflow structures, etc.)

☒ Location of existing and proposed storm water controls

☐ Location of "impervious" areas – paved areas, buildings, covered areas

☒ Locations where materials would be directly exposed to storm water

☒ Location of building and activity areas (e.g., fueling islands, garages, waste container area, wash racks, hazardous material storage areas, etc.)

☐ Areas of potential soil erosion (including areas downstream of the project)

☐ Location of existing drinking water wells

☐ Location of existing vegetation to be preserved

☐ Location of LID landscaping features, site design BMPs

☒ Underlying hydrologic soil group

☒ Approximate depth to groundwater

☒ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)

☒ Existing topography and impervious areas

☒ Existing and proposed site drainage network and connections to drainage offsite

☐ Proposed demolition

☒ Proposed grading

☒ Proposed impervious features

☒ Proposed design features and surface treatments used to minimize imperviousness

☐ Drainage management area (DMA) boundaries, DMA ID numbers, and DMA areas (square footage or acreage), and DMA type (i.e., drains to BMP, self-retaining, or self-mitigating)

☐ Potential pollutant source areas and corresponding required source controls (see BMP Design Manual Chapter 4 and Appendix E.1)

☒ Structural BMPs (identify location, type of BMP, and size/detail)

Attachment 1E

Sediment Collection Area Summary Table,

Water Quality Calculations for Biofiltration BMPs

East Harbor Island
19538-F
7/24/2024

SEDIMENT COLLECTION AREA SUMMARY TABLE				
	Provided Volume at RIM of Riser (CF)	Required Volume* $(CF)^2$	% of Sediment Basin Volume Provided	Drawdown Time (hr)
SCA 1	TBD	10,800	TBD	TBD
SCA 2	TBD	8,100	TBD	TBD
SCA 3	TBD	13,500	TBD	TBD
SCA 4	TBD	13,500	TBD	TBD

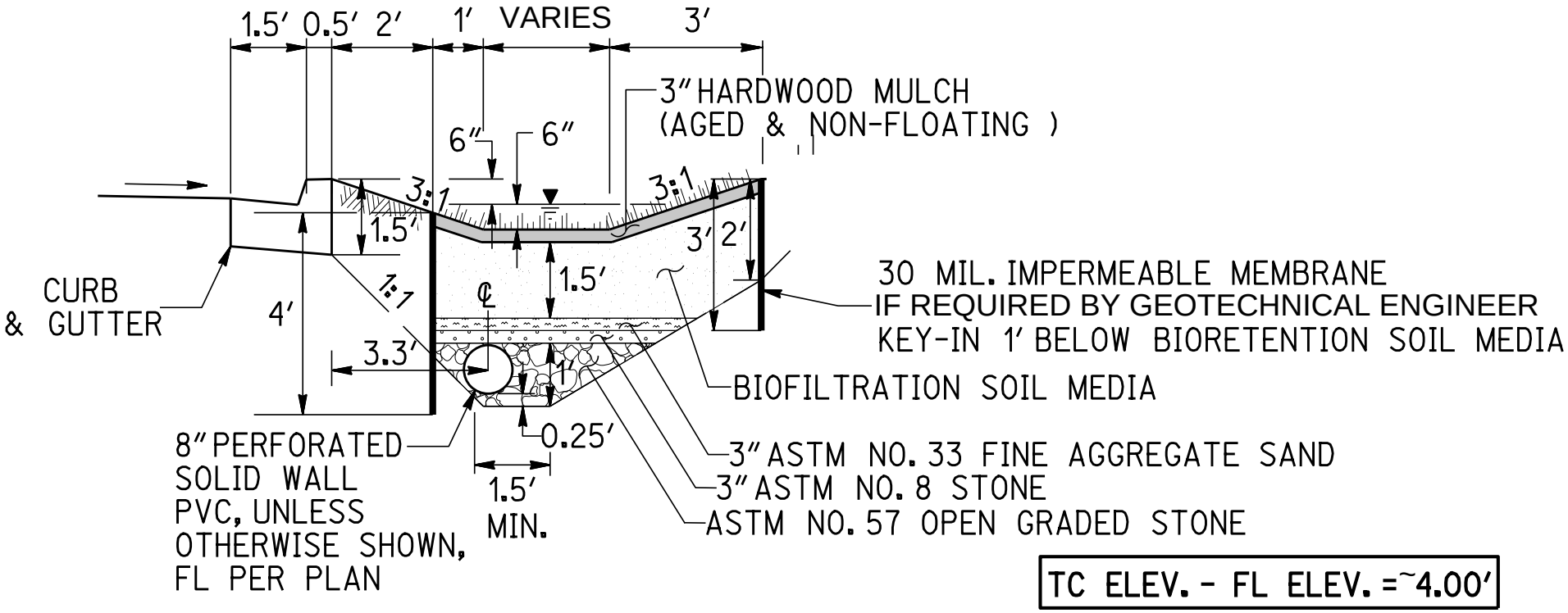
2. Required volume is calculated per CASQA Sediment Trap Guidance (i.e. at least 2,700 cubic feet per acre)

Water Quality Calculations for Biofiltration BMPs

	C	I (in/hr)	A (ac)	BMP size (ft2) (3% A)
BMP 1	0.95	0.2	0.9	1176
BMP 2	0.95	0.2	0.6	784
BMP 3	0.95	0.2	0.6	784
BMP 4	0.95	0.2	0.4	523
BMP 5	0.95	0.2	0.7	915
BMP 6	0.95	0.2	1	1307

Conceptual BMP Section

CONCEPTUAL BIOFILTRATION SECTION FOR WQ TREATMENT OF LIBERATOR WAY



E Harbor Island Public Infrastructure Development
RICK (19538-F)
5/21/2024

ATTACHMENT 2
BACKUP FOR PDP HYDROMODIFICATION CONTROL MEASURES

This is the cover sheet for Attachment 2.

☒ Mark this box if this attachment is empty because the project is exempt from PDP hydromodification management requirements.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 2a	Hydromodification Management Exhibit (Required)	☐ Included See Hydromodification Management Exhibit Checklist on the back of this Attachment cover sheet.
Attachment 2b	Management of Critical Coarse Sediment Yield Areas (Section 6.2 of the BMP Design Manual)	Not Applicable No Potential Critical Coarse Sediment Yield Areas have been identified within Port of San Diego jurisdiction
Attachment 2c	Geomorphic Assessment of Receiving Channels (Optional) See Section 6.3.4 of the BMP Design Manual.	☐ Not performed ☐ Included ☐ Submitted as separate stand-alone document
Attachment 2d	Flow Control Facility Design, including Structural BMP Drawdown Calculations and Overflow Design Summary (Required) See Chapter 6 and Appendix G of the BMP Design Manual	☐ Included ☐ Submitted as separate stand-alone document
Attachment 2e	Vector Control Plan (Required when structural BMPs will not drain in 96 hours)	☐ Included ☐ Not required because BMPs will drain in less than 96 hours

Use this checklist to ensure the required information has been included on the Hydromodification Management Exhibit:

The Hydromodification Management Exhibit must identify:

☐ Underlying hydrologic soil group
☐ Approximate depth to groundwater
☐ Existing natural hydrologic features (watercourses, seeps, springs, wetlands)
☐ Existing topography
☐ Existing and proposed site drainage network and connections to drainage offsite
☐ Proposed grading
☐ Proposed impervious features
☐ Proposed design features and surface treatments used to minimize imperviousness
☐ Point(s) of Compliance (POC) for Hydromodification Management
☐ Existing and proposed drainage boundary and drainage area to each POC (when necessary, create separate exhibits for pre-development and post-project conditions)
☐ Structural BMPs for hydromodification management (identify location, type of BMP, and size/detail)

ATTACHMENT 3
Structural BMP Maintenance Information

This is the cover sheet for Attachment 3.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 3a	Structural BMP Maintenance Information	☐ Included See Structural BMP Maintenance Information Checklist on the back of this Attachment cover sheet. ***to be included in future submittals***
Attachment 3b	Port of San Diego O&M Agreement (when applicable)	☐ Included ☒ Not Applicable

Use this checklist to ensure the required information has been included in the Structural BMP Maintenance Information Attachment:

Attachment 3a must identify:

☐ Designated responsible party to manage the storm water BMP(s)
☐ Any necessary employee training and duties
☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
☐ Operating schedule
☐ Maintenance frequency
☐ Specific maintenance indicators and actions for proposed structural BMP(s). This shall be based on Section 7.7 of the BMP Design Manual and enhanced to reflect actual proposed components of the structural BMP(s)
☐ How to access the structural BMP(s) to inspect and perform maintenance
☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
☐ Recommended equipment to perform maintenance
☐ Copies of resource agency permits (when applicable)

The Port's O&M Template shall be used to fulfill the O&M planning requirement. The O&M Plan preparer is responsible to ensure all required elements listed above are included.

ATTACHMENT 4
Copy of Plan Sheets Showing Permanent Storm Water BMPs

This is the cover sheet for Attachment 4.

Use this checklist to ensure the required information has been included on the plans:

The plans must identify:

☐ Structural BMP(s) with ID numbers matching Form I-6 Summary of PDP Structural BMPs
☐ The grading and drainage design shown on the plans must be consistent with the delineation of DMAs shown on the DMA exhibit
☐ Details and specifications for construction of structural BMP(s)
☐ Signage indicating the location and boundary of structural BMP(s)
☐ How to access the structural BMP(s) to inspect and perform maintenance
☐ Features that are provided to facilitate inspection (e.g., observation ports, cleanouts, silt posts, or other features that allow the inspector to view necessary components of the structural BMP and compare to maintenance thresholds)
☐ Manufacturer and part number for proprietary parts of structural BMP(s) when applicable
☐ Maintenance thresholds specific to the structural BMP(s), with a location-specific frame of reference (e.g., level of accumulated materials that triggers removal of the materials, to be identified based on viewing marks on silt posts or measured with a survey rod with respect to a fixed benchmark within the BMP)
☐ Recommended equipment to perform maintenance
☐ When applicable, necessary special training or certification requirements for inspection and maintenance personnel such as confined space entry or hazardous waste management
☐ Include landscaping plan sheets showing vegetation requirements for vegetated structural BMP(s)
☐ All BMPs must be fully dimensioned on the plans
☐ When proprietary BMPs are used, site-specific cross section with outflow, inflow, and model number shall be provided. Photocopies of general brochures are not acceptable.

Page intentionally blank

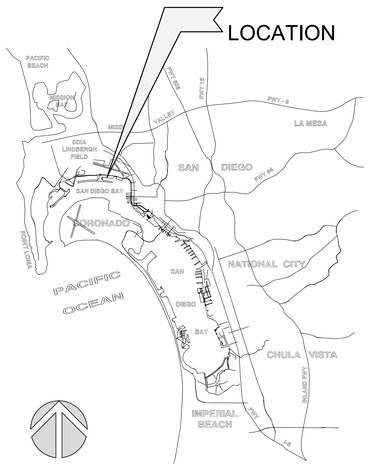
EAST HARBOR ISLAND PUBLIC INFRASTRUCTURE DEVELOPMENT

SAN DIEGO, CALIFORNIA

WORK TO BE DONE SHALL BE ACCORDING TO THESE DRAWINGS AND SPECIFICATION 2022-24 OF THE SAN DIEGO UNIFIED PORT DISTRICT.

CONSTRUCTION OF THE EAST HARBOR ISLAND PUBLIC INFRASTRUCTURE DEVELOPMENT INCLUDES THE ROADWAY REALIGNMENT OF LIBERATOR WAY, STORM DRAIN IMPROVEMENTS, LANDSCAPING, PEDESTRIAN WALKWAYS, A PEDESTRIAN PROMENADE, AN UPDATED SEWER AND WATER SYSTEM, AND DRY UTILITY RELOCATION AS SHOWN ON THESE DRAWINGS AND AS SPECIFIED IN THESE SPECIFICATIONS.

VICINITY MAP



MONUMENTATION NOTE

☐ PRECONSTRUCTION CORNER RECORD FOR SURVEY MONUMENTS TO BE DESTROYED DURING CONSTRUCTION

CORNER RECORD #_____ OR RECORD OF SURVEY #_____

☐ POST CONSTRUCTION CORNER RECORD FOR SURVEY MONUMENTS DESTROYED DURING CONSTRUCTION AND REPLACED AFTER CONSTRUCTION.

CORNER RECORD #_____ OR RECORD OF SURVEY #_____

SAN DIEGO UNIFIED PORT DISTRICT
3165 PACIFIC HIGHWAY
SAN DIEGO, CA 92101
619.686.6200

BENCHMARK

THE BENCHMARK FOR THIS FOR THIS SURVEY IS STATION SDUPD-037. SAID STATION BEING A FOUND 3" BRASS DISK STAMPED "PORT OF SAN DIEGO SDUPD-037 LS 6000 GPS CONTROL" IN CONCRETE WALK BETWEEN A PAIR OF BENCHES EAST OF GATE TO FLOATS PER ROS 17055.

ELEVATION: 18.386 MLLW

BASIS OF BEARINGS

THE BASIS OF BEARINGS AND COORDINATES FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83) ZONE 6, NAD83 (EPOCH 1991.35) BASED UPON THE GRID BEARING BETWEEN GPS STATIONS SDUPD-037 AND SDUPD-007, AND IS DETERMINED BY GPS MEASUREMENTS TAKEN ON 12/12/2023, BOTH STATIONS HAVING A COORDINATE VALUE OF FIRST ORDER ACCURACY OR BETTER PER RECORD OF SURVEYS 16668 AND 17055.

I HEREBY DECLARE THAT I AM THE ARCHITECT/ENGINEER OF WORK FOR THIS PROJECT. THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THIS DESIGN IS CONSISTENT WITH CURRENT STANDARDS. I UNDERSTAND THAT THE CHECKING OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE SAN DIEGO UNIFIED PORT DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ARCHITECT/ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

NAME: KEVIN R. GIBSON
CA REGISTRATION NO.:52295
LICENSE EXP. DATE: 12/31/2024
COMPANY NAME: RICK ENGINEERING COMPANY

GENERAL NOTES

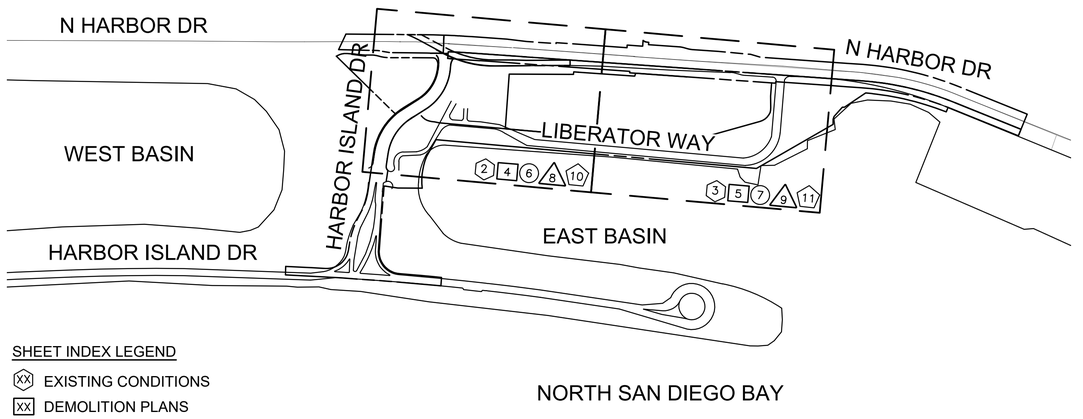
1. THE CONTRACTOR SHALL VERIFY THE SITE BEFORE COMMENCING WORK. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO THE START OF CONSTRUCTION.
2. LOCATION OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS WERE OBTAINED FROM AVAILABLE DISTRICT RECORDS. THE CONTRACTOR IS ADVISED THAT THERE MAY EXIST UNDERGROUND UTILITIES NOT SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL EXERCISE PRECAUTION TO PROTECT THESE UTILITIES IN PLACE.
3. CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UTILITIES. CONTACT THE FOLLOWING AT LEAST TWO (2) WORKING DAYS PRIOR TO START WORK.

   UNDERGROUND SERVICE ALERT: (800) 422-4133
   PORT DISTRICT: (619) 686-6321
4. CONTRACTOR SHALL PROVIDE THEIR OWN PORTABLE SANITARY FACILITIES IN THE LOCATION APPROVED BY THE ENGINEER. PORTABLE SANITARY FACILITIES SHALL BE MAINTAINED REGULARLY.
5. CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL PLAN DURING CONSTRUCTION AND REMOVE AFTER CONSTRUCTION. TRAFFIC CONTROL PLAN SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER, LICENSED IN CALIFORNIA.
6. CONTRACTOR SHALL PREPARE, IMPLEMENT AND MAINTAIN BEST MANAGEMENT PRACTICES (BMP'S) AS APPROVED BY THE ENGINEER.
7. STORM DRAIN INLETS LOCATED WITHIN THE PORT JURISDICTION MUST BE PLACARDED WITH AN OFFICIAL PORT INLET PLACARD. PRIOR TO PROJECT CLOSEOUT, CONTACT THE PORT TO OBTAIN AN OFFICIAL INLET PLACARD. (SC-A)

ABBREVIATIONS

AB	AGGREGATE BASE
ABDN	ABANDONED
AC	ACRES
APN	ACCESSOR'S PARCEL NUMBER
ACP	ASBESTOS CEMENT PIPE
AVE	AVENUE
CB	CATCH BASIN
CI	CAST IRON
CL	CENTERLINE
CO	CLEANOUT
CONC	CONCRETE
DEMO'D	DEMOLISH
DR	DRIVE
DWT	DETECTABLE WARNING TILE
DWY	DRIVEWAY
E	EASTING
EB	EAST BOUND
ELEC, ELECT	ELECTRICAL
EV	ELECTRICAL VAULT
EX, EXIST	EXISTING
FG	FINISH GRADE
FL	FLOWLINE
HORIZ	HORIZONTAL
HP	HIGH POINT
LP	LOW POINT
LS	LANDSCAPE
N	NORTH, NORTHING
NB	NORTH BOUND
NO	NUMBER
NTS	NOT TO SCALE
PL	PROPERTY LINE
POC	POINT OF CONNECTION
PROP	PROPOSED
PVC	POLYVINYL CHLORIDE
R	RADIUS
R/W	RIGHT OF WAY
RCP	REINFORCED CONCRETE PIPE
SB	SOUTH BOUND
SD	STORM DRAIN
SDGE	SAN DIEGO GAS AND ELECTRIC
SDRSD	SAN DIEGO REGIONAL STANDARD DRAWINGS
ST	STREET
STA	STATION
SWR	SEWER
TELE	TELEPHONE LINE
TYP	TYPICAL
UNDG	UNDERGROUND
UNK	UNKNOWN
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
W	WEST
WB	WEST BOUND

SAN DIEGO INTERNATIONAL AIRPORT



NORTH SAN DIEGO BAY

SHEET INDEX LEGEND

- (XX) EXISTING CONDITIONS
- [XX] DEMOLITION PLANS
- (XX) DRAINAGE AND GRADING PLANS
- ⟨XX⟩ UTILITY PLAN
- (XX) CIRCULATION PLANS

INDEX MAP
NOT TO SCALE

A/E NO	SHEET NUMBER	DESCRIPTION
G-01	1	TITLE SHEET
C-01-C-02	2-3	EXISTING CONDITIONS
C-03-C-04	4-5	DEMOLITION PLAN
C-05-C-06	6-7	DRAINAGE AND GRADING PLAN
C-07-C-08	8-9	UTILITY PLAN
C-09-C-10	10-11	CIRCULATION PLAN

EXISTING

- BOLLARD
- BUILDING OUTLINE
- BUTTERFLY WATER VALVE (BWV)
- ELECTRIC BOX (E)
- ELECTRIC METER (EM)
- ELECTRIC RECEIVER (ER)
- ELECTRIC VAULT (EV)
- ELECTRIC (E)
- FIRE HYDRANT
- CONTOUR 13
- GAS (G)
- LANDSCAPE
- OUTFALL
- RIGHT OF WAY
- SEWER (S)
- SEWER MANHOLE (MH)
- STORM DRAIN MANHOLE (SD)
- STORM DRAIN (SD)
- STREET LIGHT
- SURVEY MONUMENT
- TELEPHONE (T)
- TRAFFIC PULLBOX (TPB)
- TRAFFIC SIGNAL
- TWO-WAY SIGN
- WATER (W)
- WATER METER (WM)
- WATER VALVE

PROPOSED

- ASPHALT CONCRETE
- CLEANOUT / INLET
- CONCRETE SIDEWALK / CROSS GUTTER
- STAMPED CONCRETE CROSSWALK
- CURB RAMP
- DISCHARGE LOCATION
- DRIVEWAY
- DWT
- EARTHEN SWALE
- HEADWALL
- JOINT TRENCH (JT)
- HYDROSEED
- LIMITS OF WORK
- STAMPED CONCRETE MEDIAN
- PROPOSED CONTOUR 13
- SEWER LATERAL (S)
- SEWER & MANHOLE (S)
- STORM DRAIN PIPE
- TOP OF CURB
- WATER LATERAL (W)
- WATER (W)
- WATER QUALITY UNIT (BMP)

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WORK TO BE DONE

RECORD DRAWING

PROJECT-MANAGER/ENGINEER

DATE

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SPEC NO. 2022-24	WBS NO. BC-0003-01.03
REFERENCES -	
PROJECT ENGINEER -	
CONTRACTOR -	
CONSTRUCTION STARTED -	
CONSTRUCTION COMPLETED -	
COST -	INSPECTOR -

REVISIONS | DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED	CC
DRAWN	EN
CHECKED	EW

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

TITLE SHEET

DATE	5/30/2024
A/E NO.	G-01
SHEET	1 OF 11
DRAWING NO.	XXXXXXX
REV.	-

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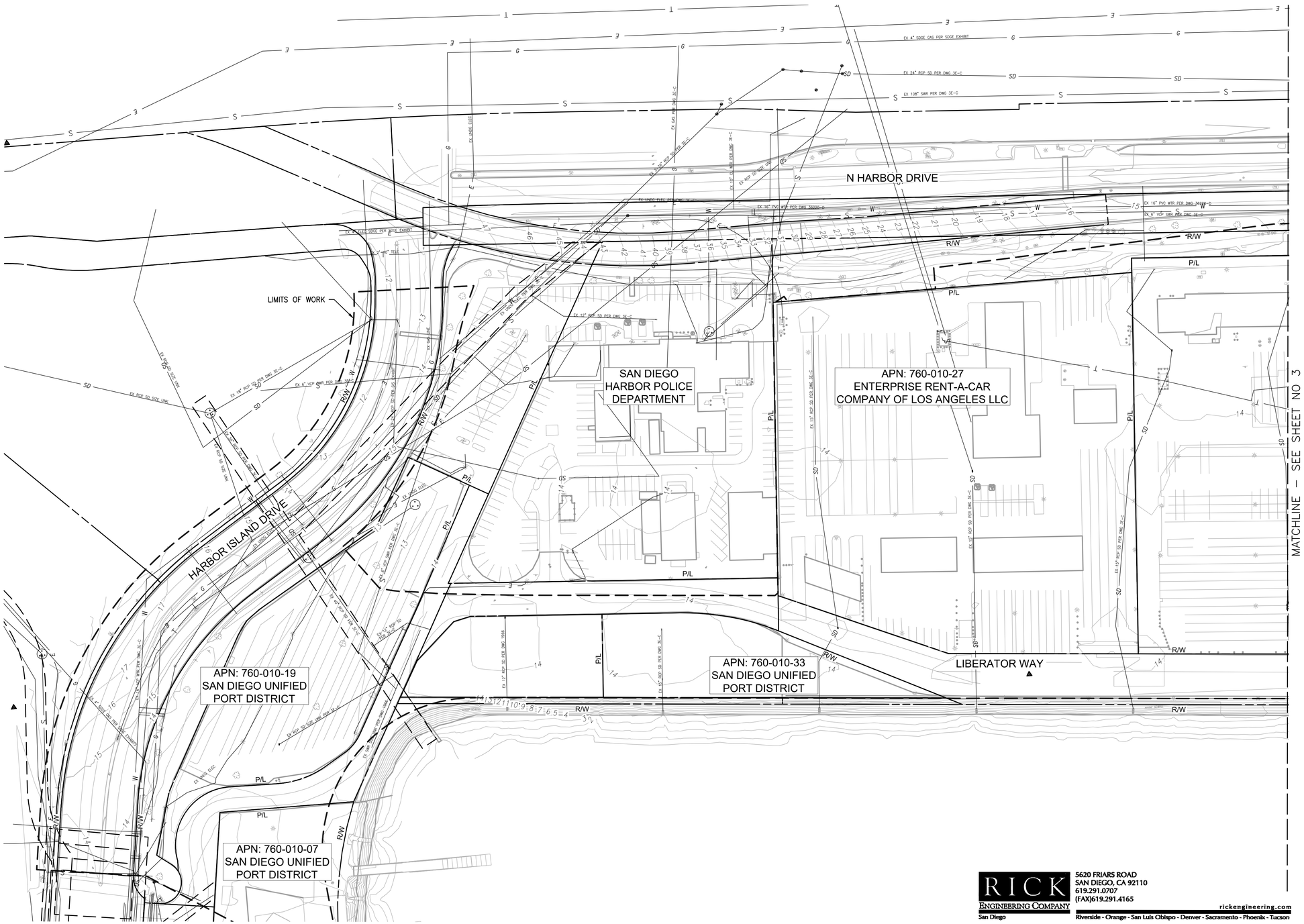
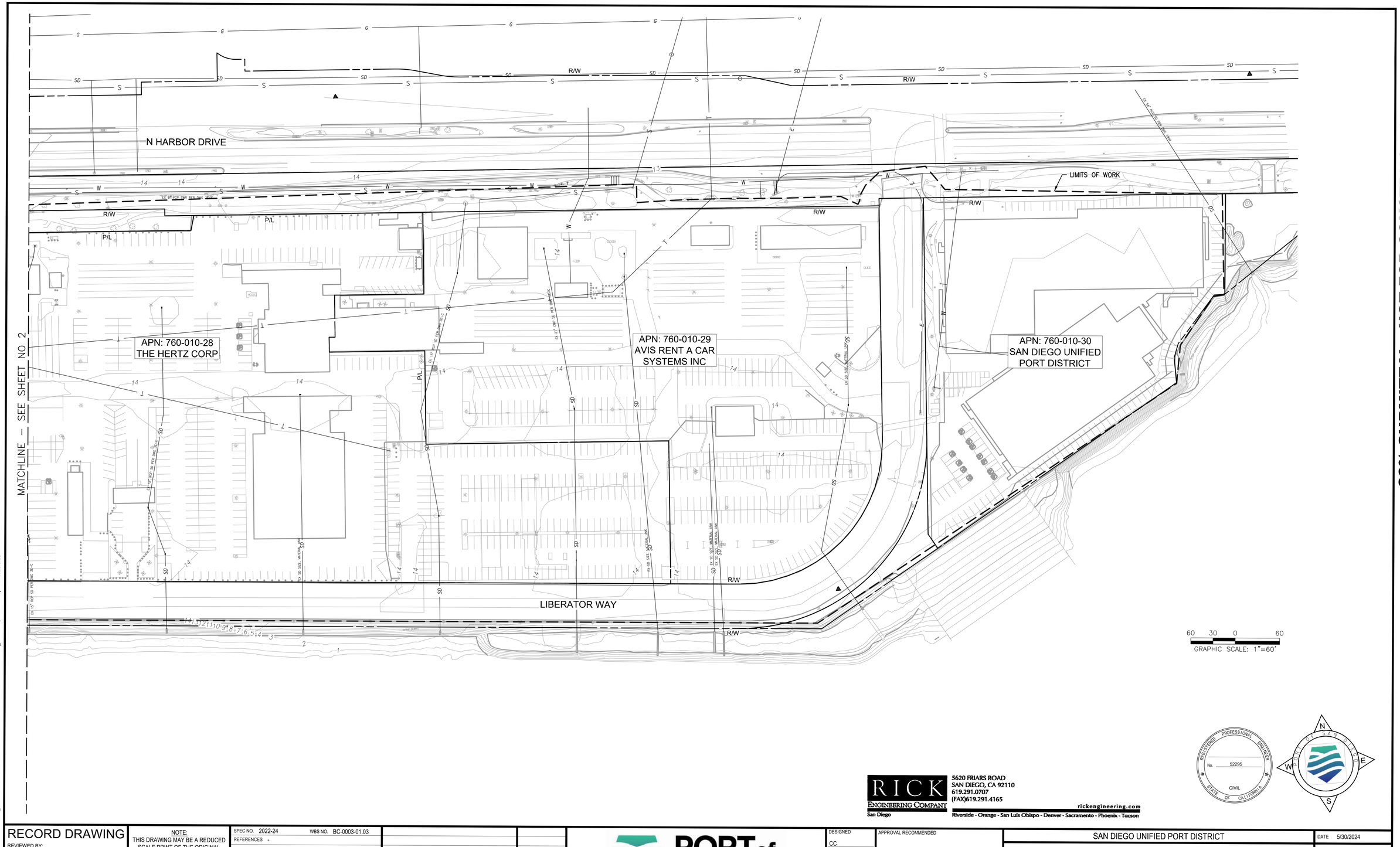

N HARBOR DRIVE
LIMITS OF WORK
SAN DIEGO
HARBOR POLICE
DEPARTMENT
APN: 760-010-27
ENTERPRISE RENT-A-CAR
COMPANY OF LOS ANGELES LLC
HARBOR ISLAND DRIVE
APN: 760-010-19
SAN DIEGO UNIFIED
PORT DISTRICT
APN: 760-010-33
SAN DIEGO UNIFIED
PORT DISTRICT
APN: 760-010-07
SAN DIEGO UNIFIED
PORT DISTRICT
LIBERATOR WAY
MATCHLINE – SEE SHEET NO 3
R/W
P/L
EX 4" SDGE GAS PER SDGE EXHIBIT
EX 24" RCP SD PER DWG 3C-C
EX 108" SWR PER DWG 3C-C
EX 16" PVC WTR PER DWG 36320-D
EX 6" VCP SWR PER DWG 3C-C
EX 12" RCP SD PER DWG 3C-C
EX 6" VCP SWR PER DWG 3C-C
EX 18" RCP SD PER DWG 3C-C
EX 8" WTR PER DWG 3C-C
EX 12" RCP SD PER DWG 3C-C
EX 10" RCP SD PER DWG 3C-C
EX 42" RCP SD PER DWG 3C-C
EX 36" RCP SD PER DWG 3C-C
EX 30" RCP SD PER DWG 3C-C
EX 24" RCP SD PER DWG 3C-C
EX UNDG ELEC
EX GAS PER SDGE DWG 3C-C
EX 4" WTR PER DWG 3C-C
EX 8" WTR PER DWG 3C-C
EX 8" SDR 35 SS PER DWG 3C-C
EX 8" SDR 35 SS PER DWG 3C-C
EX 8" SDR 35 SS



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PORT OF SAN DIEGO

RECORD DRAWING	NOTE:	SPEC NO. 2022-24 WBS NO. BC-0003-01.03			PORT of SAN DIEGO Waterfront of Opportunity	DESIGNED CC	APPROVAL RECOMMENDED	SAN DIEGO UNIFIED PORT DISTRICT	DATE 5/30/2024
REVIEWED BY:	THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.	REFERENCES -				DRAWN EN	PROJECT MANAGER	INFRASTRUCTURE DEVELOPMENT	A/E NO. C-02
PROJECT-MANAGER/ENGINEER		PROJECT ENGINEER -				CHECKED EW	APPROVED		SHEET 3 OF 11
DATE		CONTRACTOR -					ENGINEERING/CONSTRUCTION DESIGN MANAGER	EXISTING CONDITIONS	DRAWING NO. XXXXXXX REV. -
		CONSTRUCTION STARTED -							
		CONSTRUCTION COMPLETED -							
		COST - INSPECTOR -	REVISIONS	DATE / APPROVED					

C:\RICK\Projects\C19500\19538F_East Harbor Island\Civil\PlanSets\19538F-C-EXIST CONDITIONS.dwg / Jul 31, 2024 - 6:33pm / ccabrales

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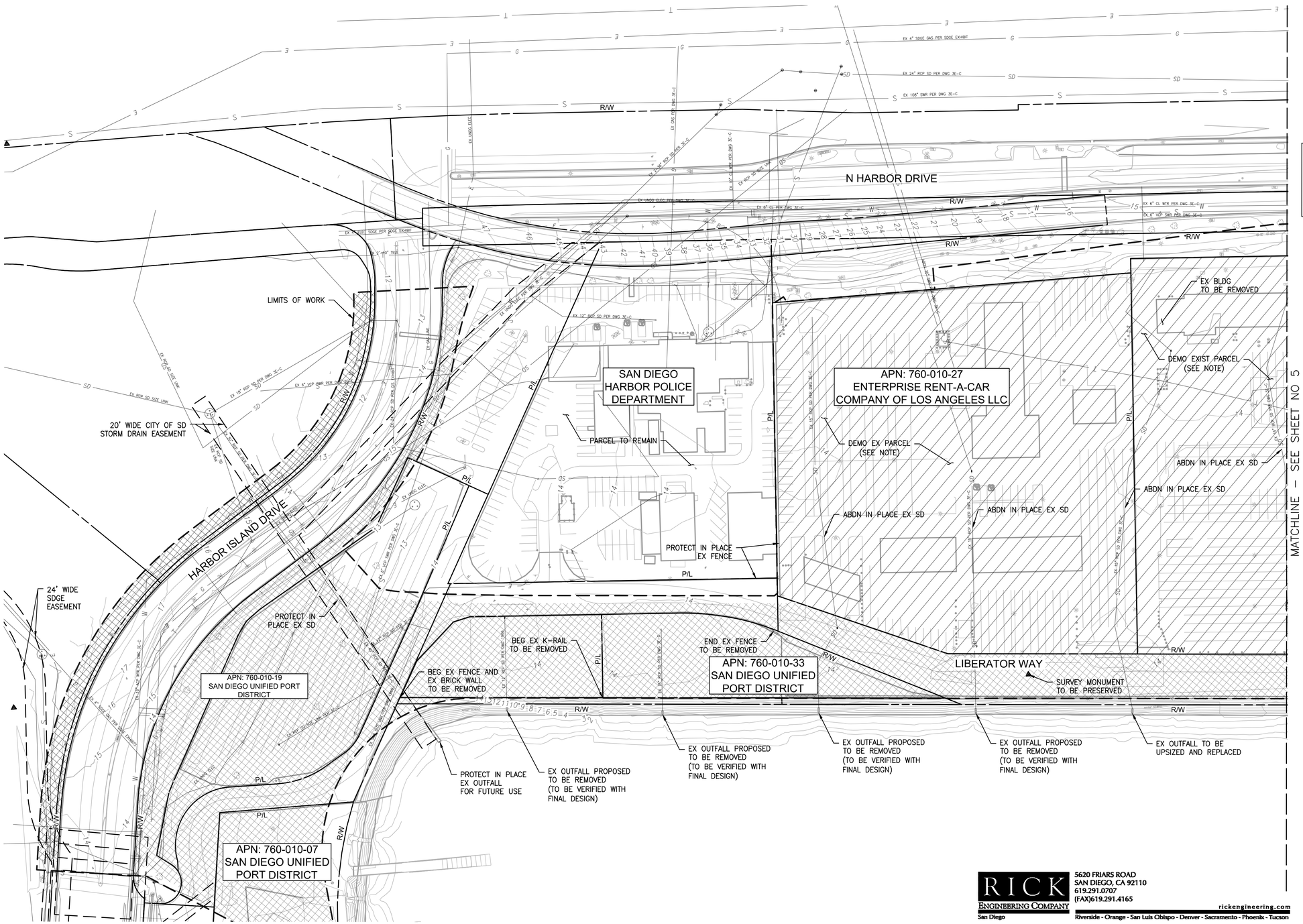

NOTE:
DEMOLITION OF EXISTING PARCEL (BY OTHERS) SHALL INCLUDE
- DEMOLITION OF EXISTING BUILDINGS/STRUCTURES
- CLEARING AND GRUBBING OF ALL EXISTING PAVEMENT, LANDSCAPING, PAVEMENT MARKINGS, AND LIGHTING
- REMOVAL OF ALL EXISTING UTILITIES TO A DEPTH OF 5 FEET BELOW EXISTING GRADE

LEGEND

EX PARCELS TO BE DEMO'D

CLEARING AND GRUBBING

LIMITS OF WORK

60 30 0 60
GRAPHIC SCALE: 1"=60'

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PORT OF SAN DIEGO

RECORD DRAWING
REVIEWED BY:
PROJECT-MANAGER/ENGINEER
DATE

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SPEC NO. 2022-24	WBS NO. BC-0003-01.03
REFERENCES -	
PROJECT ENGINEER -	
CONTRACTOR -	
CONSTRUCTION STARTED -	
CONSTRUCTION COMPLETED -	
COST -	INSPECTOR -

REVISIONS | DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED	CC
DRAWN	EN
CHECKED	EW

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

DEMOLITION PLAN

DATE	5/30/2024
A/E NO.	C-03
SHEET	4 OF 11
DRAWING NO.	XXXXXXX
REV.	-

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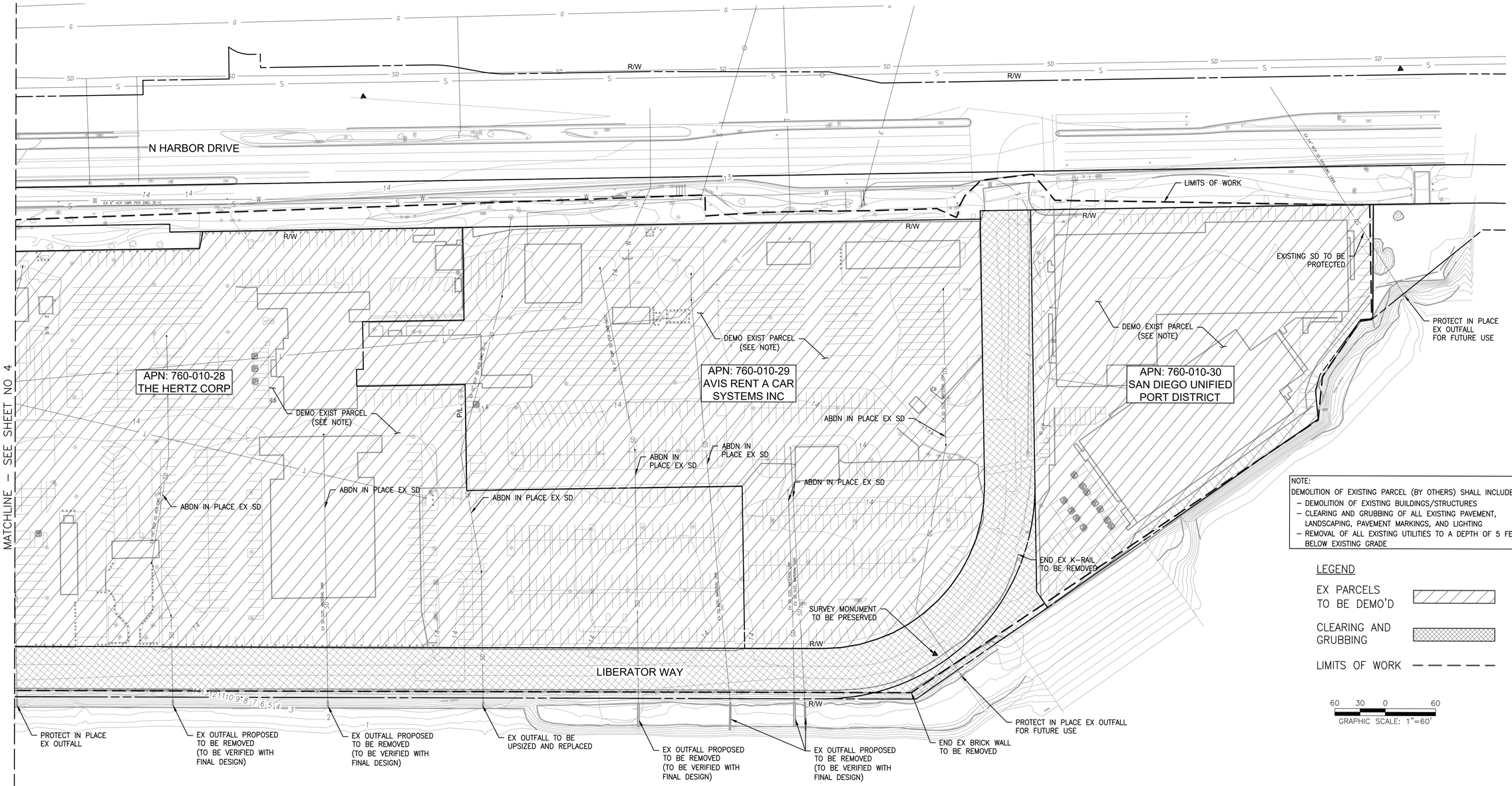

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- REMOVAL OF ALL EXISTING UTILITIES TO A DEPTH OF 5 FEET BELOW EXISTING GRADE

LEGEND

EX PARCELS TO BE DEMO'D

CLEARING AND GRUBBING

LIMITS OF WORK

60 30 0 60
GRAPHIC SCALE: 1"=60'

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CIVIL
STATE OF CALIFORNIA

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SPEC NO. 2022-24	WBS NO. BC-0003-01.03
REFERENCES -	
PROJECT ENGINEER -	
CONTRACTOR -	
CONSTRUCTION STARTED -	
CONSTRUCTION COMPLETED -	
COST -	INSPECTOR -

REVISIONS | DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED	CC
DRAWN	EN
CHECKED	EW

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

DEMOLITION PLAN

DATE	5/30/2024
A/E NO.	C-04
SHEET	5 OF 11
DRAWING NO.	XXXXXXX
REV.	-

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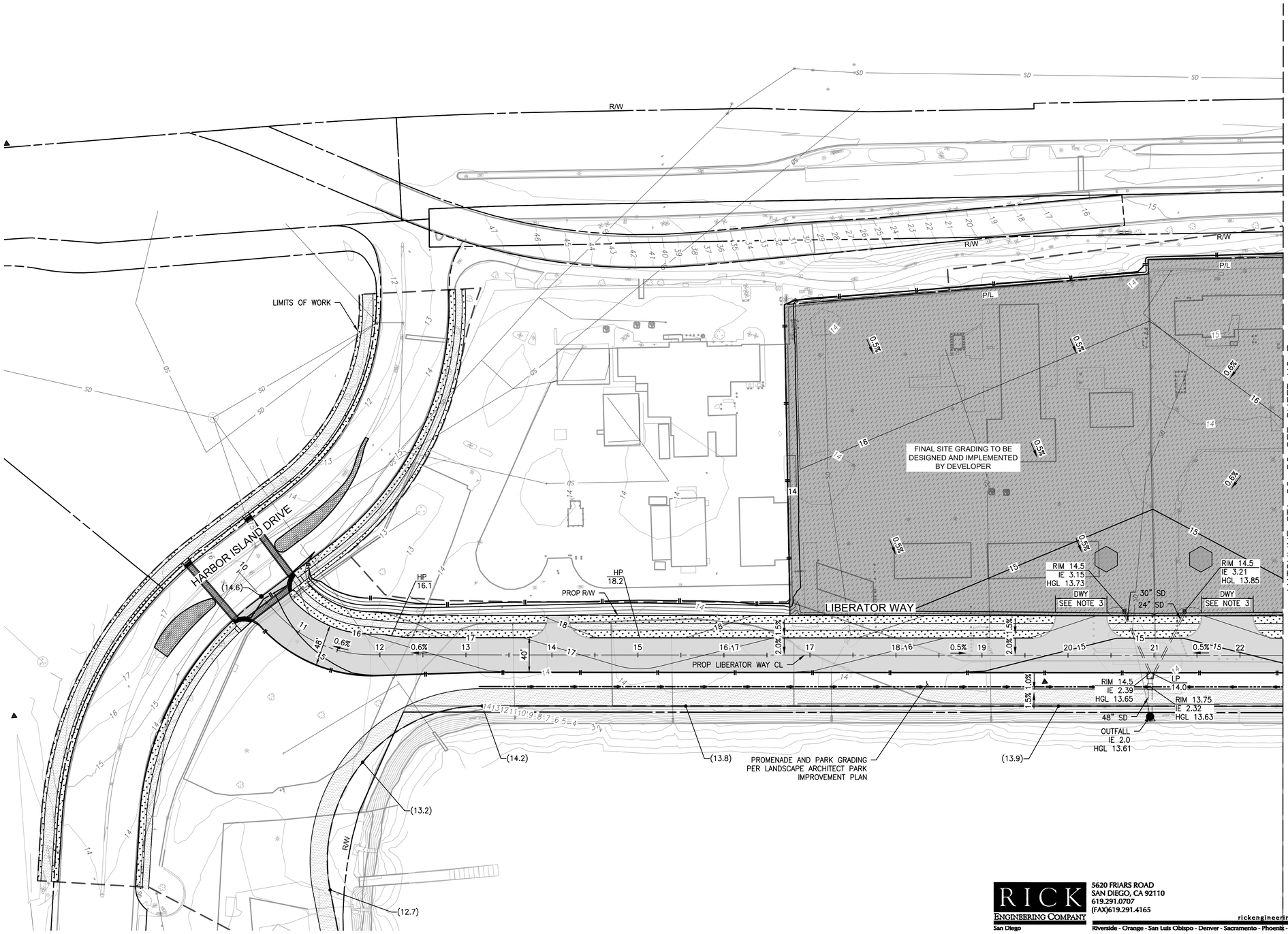
DO NOT PLOT



NOTE:
1. WATER QUALITY BMP FOR STORM DRAIN CONNECTION TO ONSITE PRIVATE DEVELOPMENT OF EACH PARCEL. FUTURE LOCATION AND SIZING OF WATER QUALITY FACILITY TO BE DETERMINED PER FINAL STORM DRAIN DESIGN OF EACH PARCEL.
2. PROPOSED GRADING FOR EACH SITE IS SHOWN TO INTERIM SLOPED PAD ELEVATIONS. FINAL GRADING DESIGN AND FINISH GRADING ELEVATIONS TO BE COMPLETED WITH THE FINAL GRADING DESIGN OF EACH SITE.
3. FINAL DRIVEWAY LOCATIONS TO BE DETERMINED BY DEVELOPER.

60 30 0 60
GRAPHIC SCALE: 1"=60'

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PORT OF SAN DIEGO

RECORD DRAWING REVIEWED BY: PROJECT-MANAGER/ENGINEER DATE	NOTE: THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.	SPEC NO. 2022-24 WBS NO. BC-0003-01.03 REFERENCES - PROJECT ENGINEER - CONTRACTOR - CONSTRUCTION STARTED - CONSTRUCTION COMPLETED - COST - INSPECTOR -	REVISIONS	DATE / APPROVED	PORT of SAN DIEGO Waterfront of Opportunity	DESIGNED CC DRAWN EN CHECKED EW	APPROVAL RECOMMENDED PROJECT MANAGER APPROVED ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

DRAINAGE AND GRADING PLAN

DATE 5/30/2024
A/E NO. C-05
SHEET 6 OF 11
DRAWING NO. XXXXXXX
REV. -

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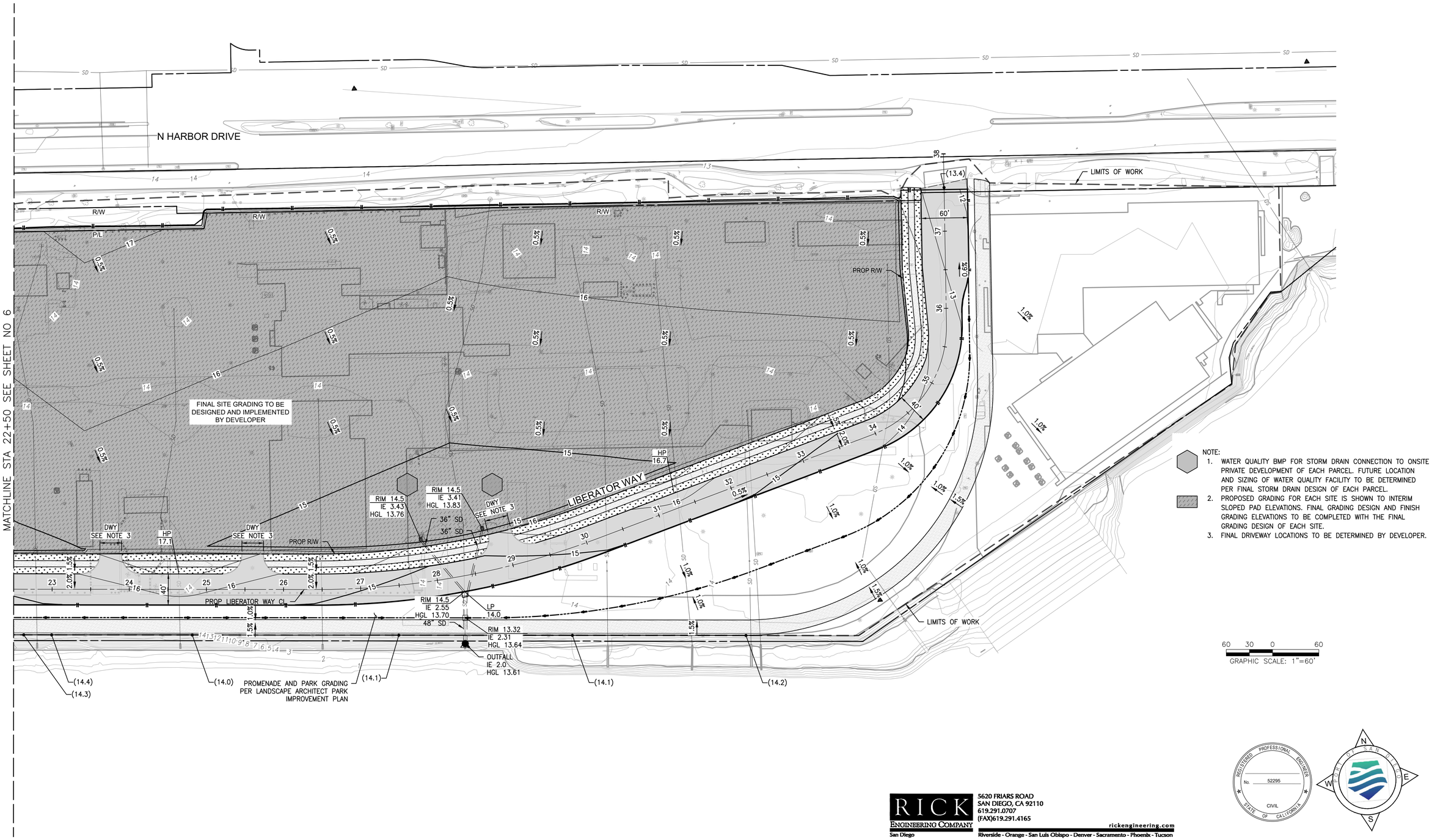
KEVIN REGISTERED PROFESSIONAL ENGINEER



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3. FINAL DRIVEWAY LOCATIONS TO BE DETERMINED BY DEVELOPER.

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PORT OF SAN DIEGO

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PROJECT-MANAGER/ENGINEER
DATE

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SPEC NO. 2022-24	WBS NO. BC-0003-01.03
REFERENCES -	
PROJECT ENGINEER -	
CONTRACTOR -	
CONSTRUCTION STARTED -	
CONSTRUCTION COMPLETED -	
COST -	INSPECTOR -

REVISIONS | DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED	CC
DRAWN	EN
CHECKED	EW

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

DRAINAGE AND GRADING PLAN

DATE	5/30/2024
A/E NO.	C-06
SHEET	7 OF 11
DRAWING NO.	XXXXXXX
REV.	-

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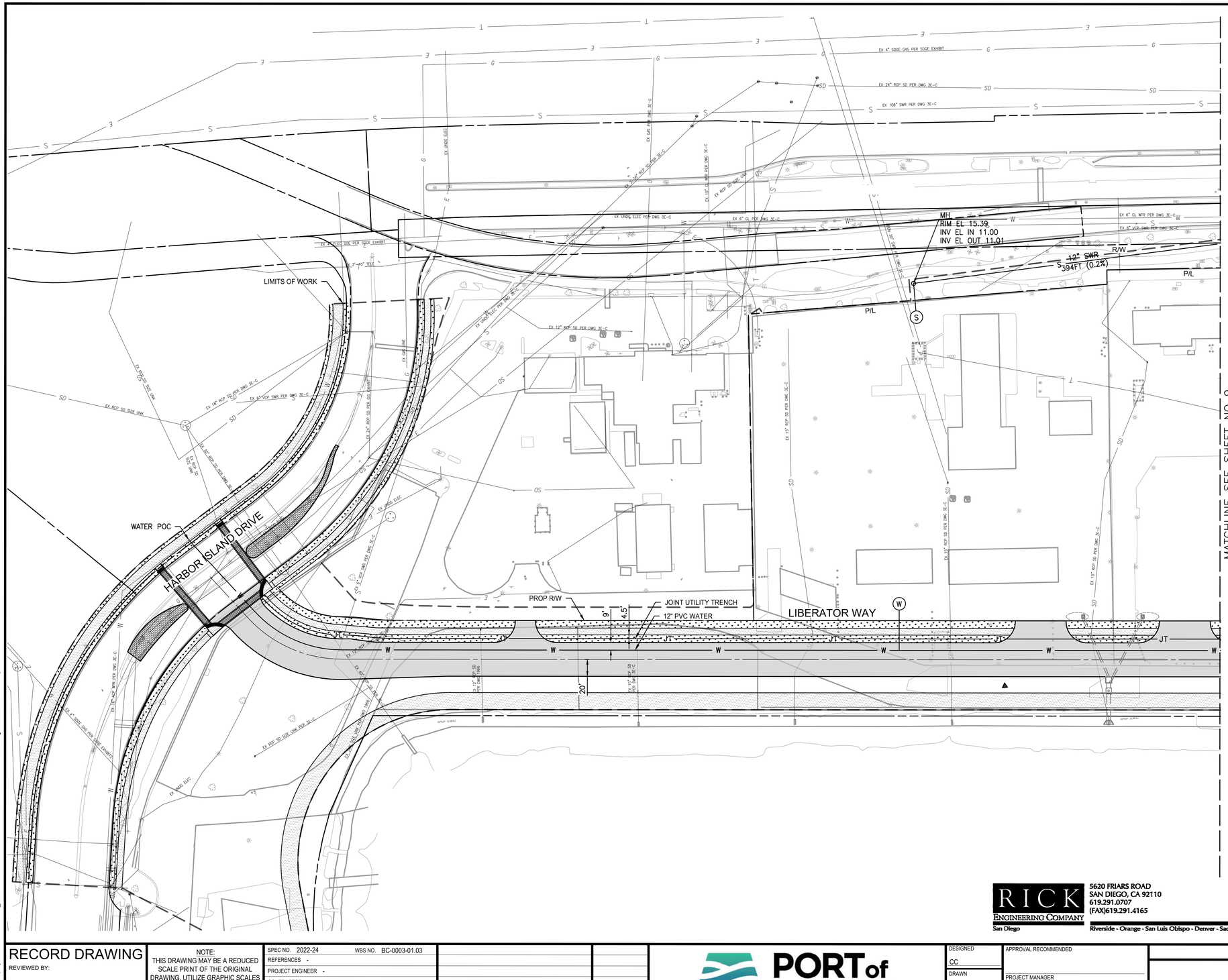

EXISTING UTILITY NOTE:
EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE AS-BUILTS AND FIELD SURVEY. ALL EXACT LOCATIONS OF EXISTING UTILITIES ARE TO BE VERIFIED WITH FINAL DESIGN AND BY CONTRACTOR PRIOR TO CONSTRUCTION.

NOTE:
REFER TO THE SAN DIEGO REGIONAL STANDARD DRAWING M-15 FOR TYPICAL JOINT UTILITY TRENCH CONFIGURATION.

60 30 0 60
GRAPHIC SCALE: 1"=60'

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PORT OF SAN DIEGO

RECORD DRAWING
REVIEWED BY:
PROJECT-MANAGER/ENGINEER
DATE

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SPEC NO. 2022-24	WBS NO. BC-0003-01.03
REFERENCES -	
PROJECT ENGINEER -	
CONTRACTOR -	
CONSTRUCTION STARTED -	
CONSTRUCTION COMPLETED -	
COST -	INSPECTOR -

REVISIONS | DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED	CC
DRAWN	EN
CHECKED	EW

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

UTILITY PLAN

DATE	5/30/2024
A/E NO.	C-07
SHEET	8 OF 11
DRAWING NO.	XXXXXXX
REV.	-

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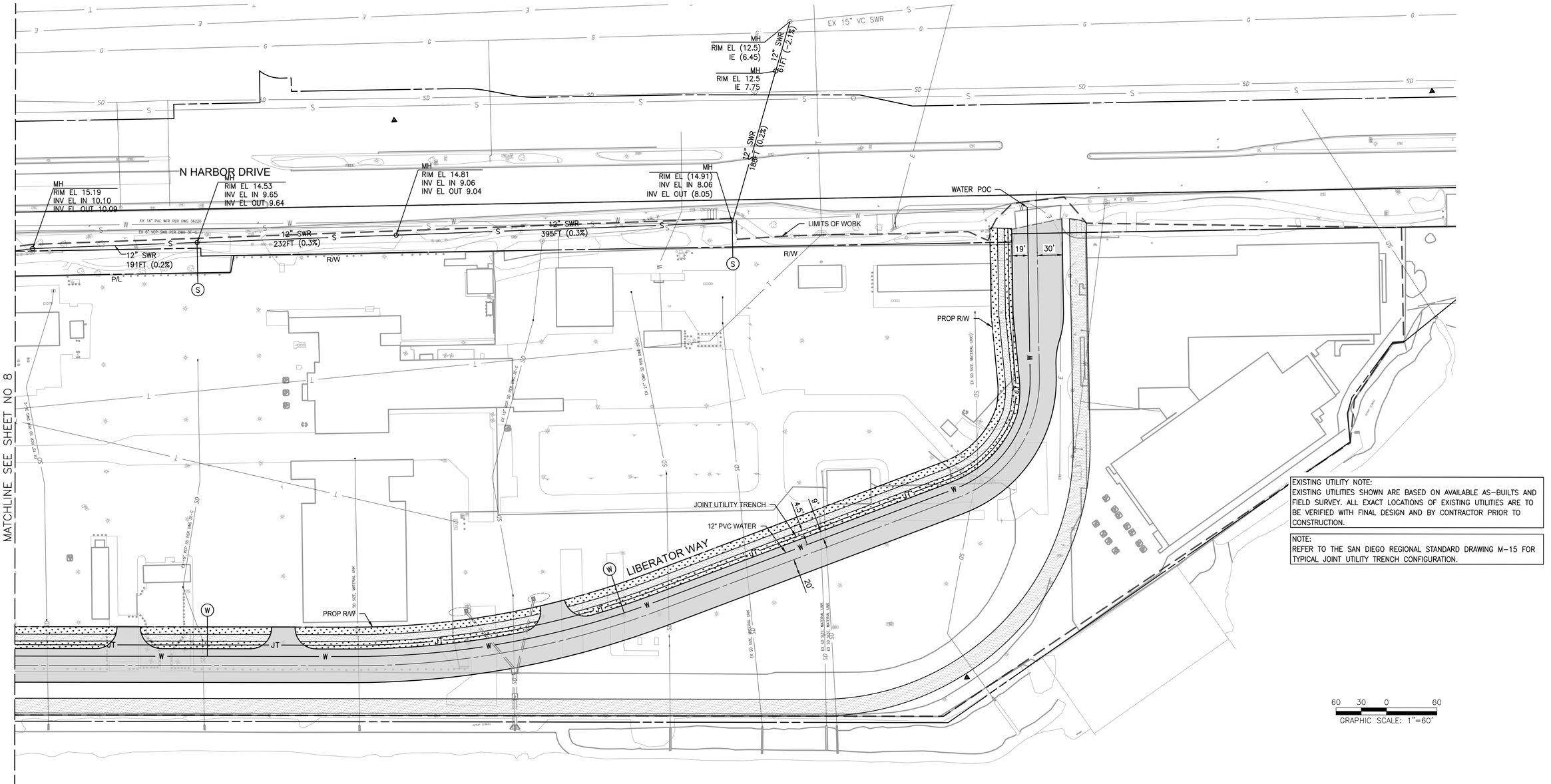
MATCHLINE SEE SHEET NO 8
N HARBOR DRIVE
MH
RIM EL 15.19
INV EL IN 10.10
INV EL OUT 10.00
MH
RIM EL 14.53
INV EL IN 9.65
INV EL OUT 9.64
MH
RIM EL 14.81
INV EL IN 9.06
INV EL OUT 9.04
MH
RIM EL (14.91)
INV EL IN 8.06
INV EL OUT (8.05)
MH
RIM EL (12.5)
IE (6.45)
MH
RIM EL 12.5
IE 7.75
EX 15" VC SWR
12" SWR
61FT (-2.1%)
12" SWR
188FT (0.2%)
12" SWR
395FT (0.3%)
12" SWR
232FT (0.3%)
12" SWR
191FT (0.2%)
EX 16" PVC WTR PER DWG 3622F
EX 8" VCP SWR PER DWG 30-G
WATER POC
LIMITS OF WORK
R/W
P/L
19'
30'
PROP R/W
EX 50 SIZE MATERIAL UNK
JOINT UTILITY TRENCH
4.5'
9'
12" PVC WATER
LIBERATOR WAY
20'
JT
W
PROP R/W
EX 15" RCP SD PER DWG 30-C
EX 18" RCP SD PER DWG 30-C
EX 24" RCP SD PER DWG 30-C
EX 30" RCP SD PER DWG 30-C
EX 50 SIZE MATERIAL UNK
EX 60 SIZE MATERIAL UNK
EX 72 SIZE MATERIAL UNK
EX 90 SIZE MATERIAL UNK
EX 96 SIZE MATERIAL UNK
EX 108 SIZE MATERIAL UNK
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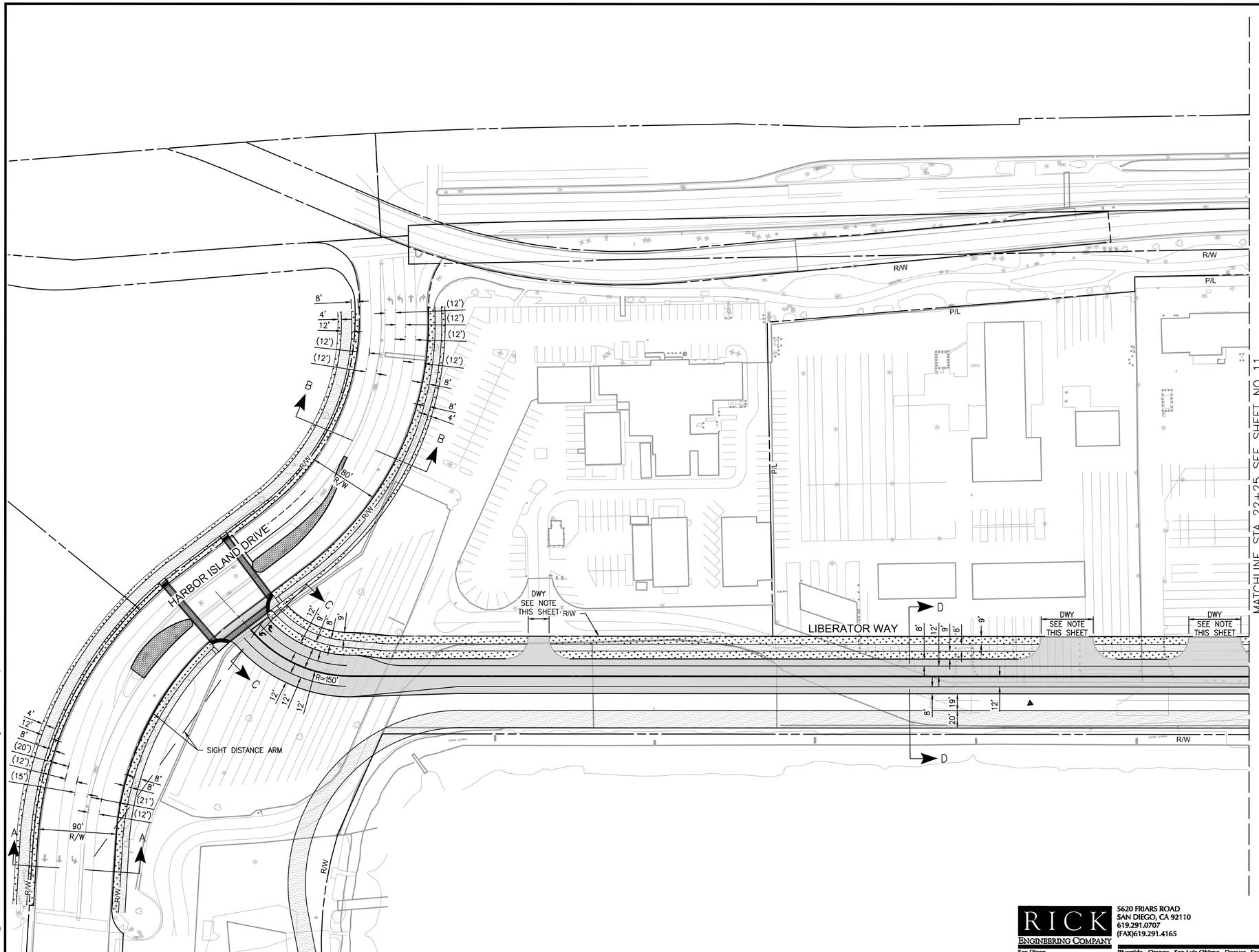
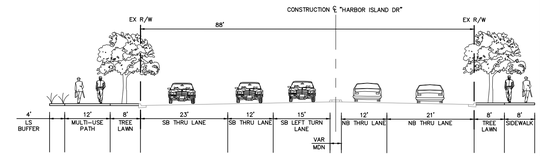
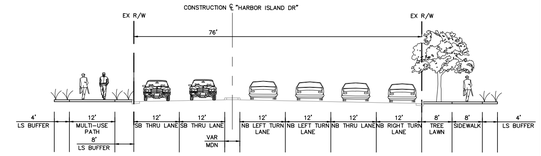
EX 168 SIZE MATERIAL UNK
EX 180 SIZE MATERIAL UNK
EX

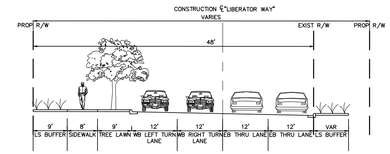




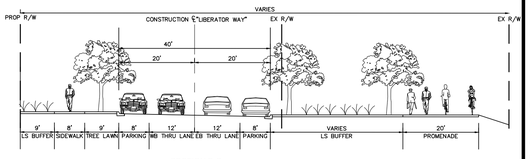
SECTION A-A
HARBOR ISLAND DR
NTS



SECTION B-B
HARBOR ISLAND DR
NTS



SECTION C-C
LIBERATOR WAY
NTS



SECTION D-D
LIBERATOR WAY
NTS

LEGEND

SIDEWALK

ASPHALT ROAD

LANDSCAPE

NOTE:
FINAL DRIVEWAY LOCATIONS TO BE DETERMINED BY DEVELOPER.

60 30 0 60
GRAPHIC SCALE: 1"=60'

REGISTERED PROFESSIONAL ENGINEER
No. 52295
CIVIL
STATE OF CALIFORNIA

RICK ENGINEERING COMPANY
San Diego
5620 FRIARS ROAD
SAN DIEGO, CA 92110
619.291.0707
(FAX)619.291.4165
rickengineering.com
Riverside - Orange - San Luis Obispo - Denver - Sacramento - Phoenix - Tucson

30% SUBMITTAL - NOT FOR CONSTRUCTION

RECORD DRAWING
REVIEWED BY:
PROJECT-MANAGER/ENGINEER
DATE

NOTE:
THIS DRAWING MAY BE A REDUCED SCALE PRINT OF THE ORIGINAL DRAWING. UTILIZE GRAPHIC SCALES TO VERIFY IF DRAWING IS A REDUCTION, AND ADJUST SCALES ACCORDINGLY TO THE GRAPHIC SCALES SHOWN.

SPEC NO. 2022-24 WBS NO. BC-0003-01.03
REFERENCES -
PROJECT ENGINEER -
CONTRACTOR -
CONSTRUCTION STARTED -
CONSTRUCTION COMPLETED -
COST - INSPECTOR -

REVISIONS | DATE / APPROVED

PORT of SAN DIEGO
Waterfront of Opportunity

DESIGNED CC
DRAWN EN
CHECKED EW

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

CIRCULATION PLAN

DATE 5/30/2024
A/E NO. C-09
SHEET 10 OF 11
DRAWING NO. XXXXXXX
REV. -

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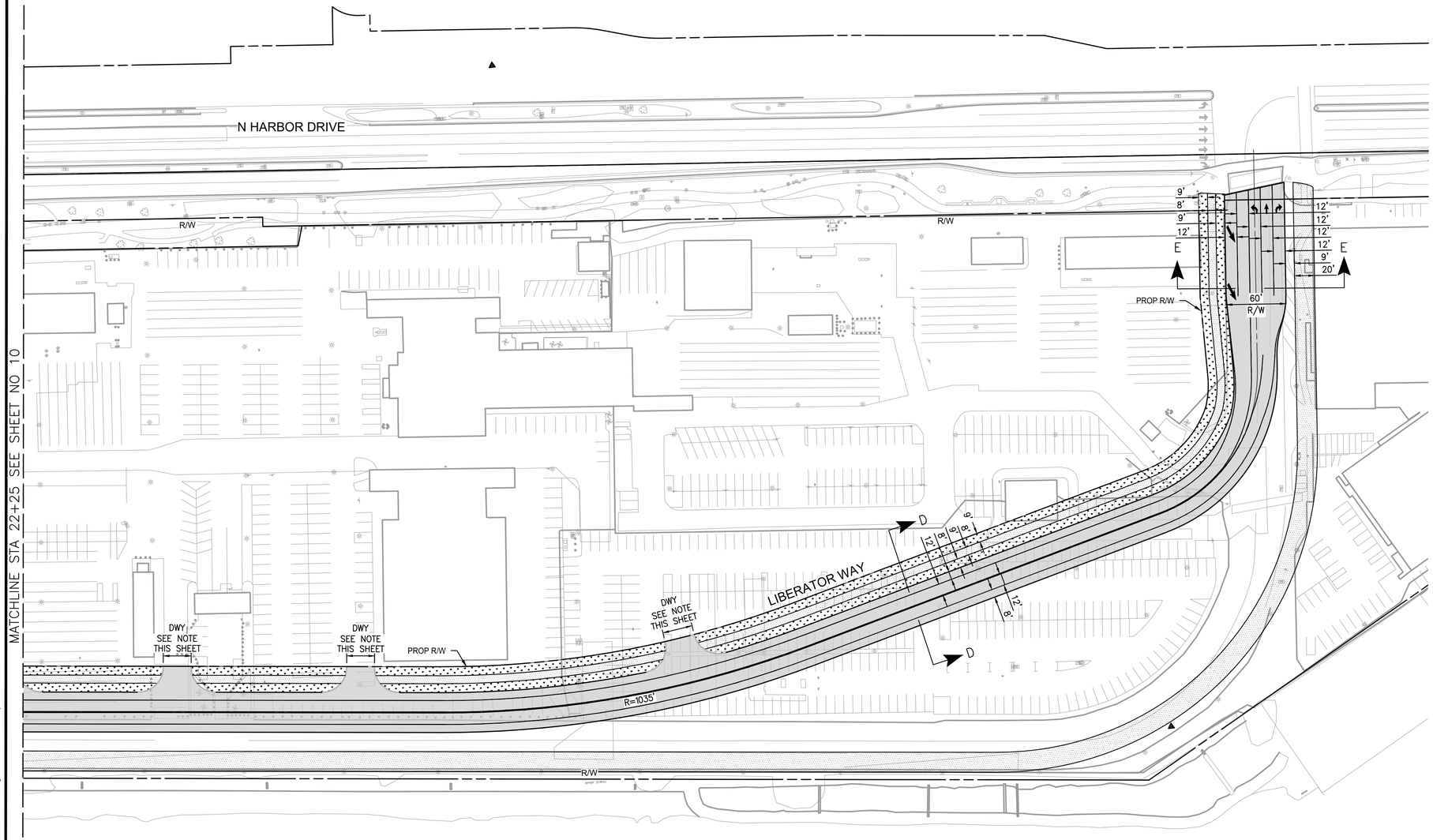
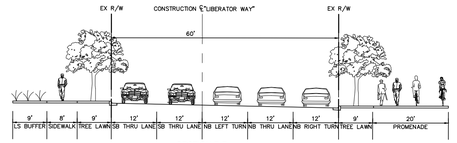
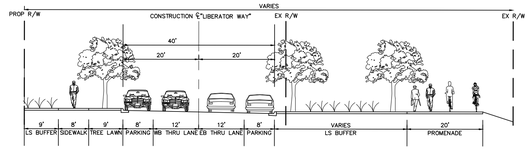
KEVIN\NRC\RECORD\NO PUBLIC





SECTION E-E
LIBERATOR WAY
NTS



SECTION D-D
LIBERATOR WAY
NTS

LEGEND

SIDEWALK

ASPHALT ROAD

LANDSCAPE

NOTE:
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60 30 0 60
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PORT of SAN DIEGO
Waterfront of Opportunity

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DRAWN	EN
CHECKED	EW

APPROVAL RECOMMENDED
PROJECT MANAGER
APPROVED
ENGINEERING/CONSTRUCTION DESIGN MANAGER

SAN DIEGO UNIFIED PORT DISTRICT

INFRASTRUCTURE DEVELOPMENT

CIRCULATION PLAN

DATE	5/30/2024
A/E NO.	C-10
SHEET	11 OF 11
DRAWING NO.	XXXXXXX
REV.	-

30% SUBMITTAL - NOT FOR CONSTRUCTION

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ATTACHMENT 5
Project Closeout Documentation

This is the cover sheet for Attachment 5.

Indicate which Items are Included behind this cover sheet:

Attachment Sequence	**Contents**	**Checklist**
Attachment 5a	Copy of Review and Acceptance of SWQMP from Adjacent Jurisdiction (When Applicable*) *Required for projects along jurisdictional boundaries when portions of the project are within other jurisdiction	☐ Not Applicable ☐ Pending ☐ Included
Attachment 5b	SWQMP Changes During Construction See SWQMP Construction Change Documentation Checklist on the back of this cover sheet for required documentation	☐ Not Applicable ☐ Included
Attachment 5c	Port of San Diego Verification Closeout Form	☐ Blank Form Included (Construction not complete) ☐ Completed and Signed

Use this checklist to ensure the required information is provided for construction change documentation:

When applicable, Attachment 5b must:

☐ Describe the construction change
☐ Describe the impact to the storm water management design
☐ Describe how the project will maintain compliance with storm water requirements
☐ Provide a revised DMA map